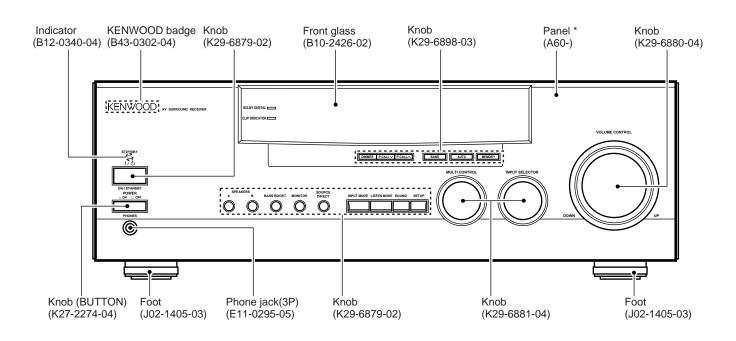
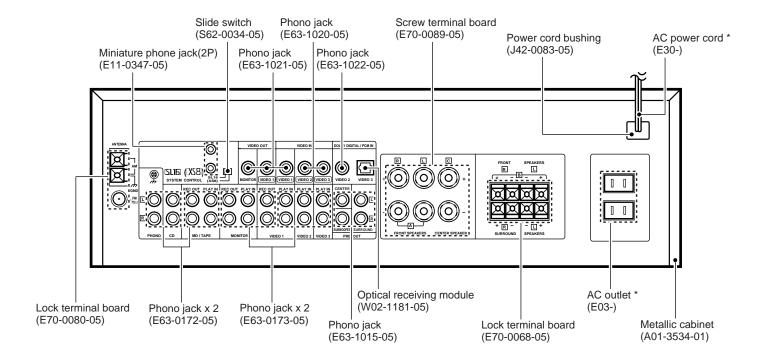
AV SURROUND RECEIVER

KRF-V7510D/VR-208 KRF-V8010D/VR-209 SERVICE MANUAL

KENWOOD

© 1998-4/B51-5419-00 (K/K) 1796





CONTENTS / ACCESSORIES

Contents

CONTENTS / ACCESSORIES	2
CONTROLS	3
DISASSEMBLY FOR REPAIR	5
BLOCK DIAGRAM	6
CIRCUIT DESCRIPTION	
ADJUSTMENT	11

PC BOARD	12
SCHEMATIC DIAGRAM	17
EXPLODED VIEW	31
PARTS LIST	32
SPECIFICATIONS	41

Accessories

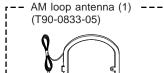
FM indoor antenna (1) (T90-0810-05)



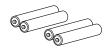
Remote control unit (1) (A70-1194-05): KP1Y1K1P2Y2M1 (A70-1195-05): V



Battery cover (A09-0366-08)



Batteries (R03/AAA) (4)



Loop antenna stand (1)



*AC plug adaptor (1) (E03-0115-05)



*Use to adapt the plug on the power cord to the shape of the wall outlet.

(Accessory only for regions where use is necessary.)

Resetting the Microcomputer

If the microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

For U.S.A. and Canada

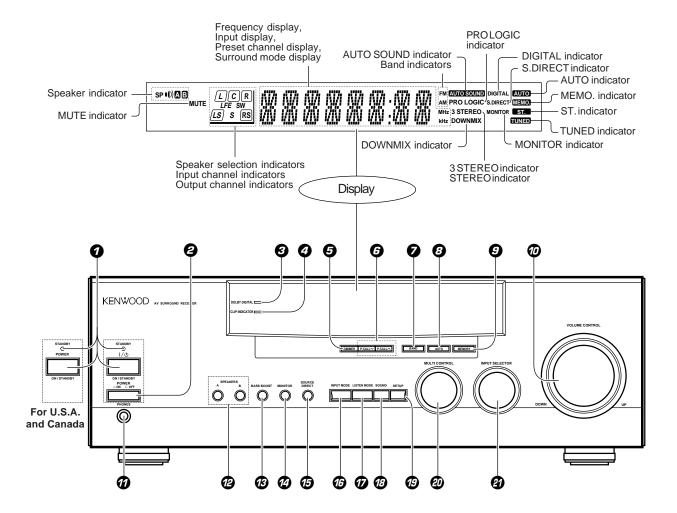
Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER key.

For other countries

With the power cord plugged in, turn the POWER key OFF. Then, while holding down the ON/STANDBY key, press POWER.

 Please note that resetting the microcomputer will clear the contents of the memory and returns the unit to the state it was in when it left the factory.

CONTROLS



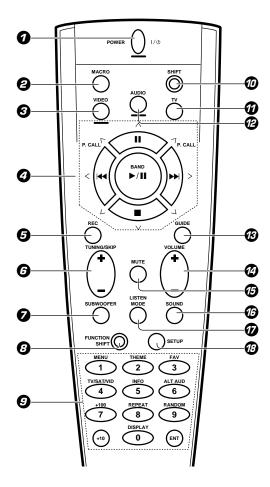
- POWER key (For U.S.A. and Canada) Use to turn the power ON/OFF. STANDBY indicator
- ON/STANDBY (1/6) key (Except for U.S.A. and Canada) Use to switch the power ON/STANDBY when the POWER is turned ON.
- STANDBY indicator
- POWER key (Except for U.S.A. and Canada) Use to turn the main power ON/OFF.
- ODLBY DIGITAL indicator Lights when the receiver is in the Dolby Digital mode.
- CLIP INDICATOR Lights when the input signal is too large to be handled by the receiver, and "clipping" is occurring.

- **6** DIMMER key
 - Use to adjust the brightness of the display.
- O P.CALL keys Use to call up previously registered radio stations.
- BAND key
 - Use to select the broadcast band.
- AUTO key
 - Use to select the auto tuning mode.
- **9** MEMORY key
 - Use to store radio stations in the preset memory.
- **O** VOLUME CONTROL knob
- **7** PHONES jack
 - Use for headphone listening.
- SPEAKERS A/B keys Use to turn the speakers ON/OFF.
- **3** BASS BOOST key
- Use to select the maximum adjustment setting for the low frequency range.

- **MONITOR** key
- SOURCE DIRECT key
- INPUT MODE key
 - Use to switch between the digital and analog inputs.
- LISTEN MODE key
 - Use to select the listening mode.
- SOUND key
 - Use to adjust the sound quality and ambience effects.
- SETUP key
 - Use to select the surround sound settings.
- MULTI CONTROL knob
- Used to make a variety of settings.
- INPUT SELECTOR knob
- Use to select the input sources.

About the STANDBY indicator

CONTROLS



There are some cases in which keys (or knobs) that have the same function on the receiver and on the remote control have different names. In the instructions of this manual, if the names of corresponding keys (or knobs) on the receiver and remote control are different, the name of the remote control key is indicated in parentheses.

O POWER key

Use to turn the receiver on and off.
Use in combination with the input selector
(AUDIO, VIDEO, or TV) keys and SHIFT
key to turn various components on and off.

MACRO key

Use in combination with the AUDIO, VIDEO, or TV keys to execute a series of commands automatically (MACRO PLAY).

3 VIDEO selector key

Selects the video inputs and sets the remote control to operate the component registered at the respective input.

Multi control keys

Use to operate the selected component.

G REC key

Use to operate the selected component.

6 TUNING/SKIP key

Use during the setup procedure to specify various settings. Use to operate the tuner or selected component.

SUBWOOFER key

Use in combination with the VOLUME +/- keys to adjust the volume of the subwoofer.

3 FUNCTION SHIFT key

Use in combination with the numeric keys to execute alternate commands.

Numeric keys

Provide functions identical to those of the original remote control supplied with the component you are controlling.

To access the functions printed above the keys, press within 3 seconds of pressing the FUNCTION SHIFT key. Function availability varies for each component.

O SHIFT key

Use in combination with the AUDIO and VIDEO keys to change the remote control mode without changing the input selector or in combination with the POWER key to turn on and off components programmed into the remote control.

TV selector key

Sets the remote control to operate a TV or cable box. This key does not change the input selector on the receiver.

@ AUDIO selector key

Selects the audio inputs and sets the remote control to operate the respective KENWOOD audio component.

If you connect audio components from KENWOOD and other makers to the MD/ TAPE or CD jacks, you can set the remote control to operate these components by registering the appropriate setup code at the respective input.

6 GUIDE key

Use to activate the OSD menu functions of registered components.

Ø VOLUME key

Use to adjust the receiver volume.

MUTE key

Use to temporarily mute the sound.

6 SOUND key

Use to adjust the sound quality and ambience effects.

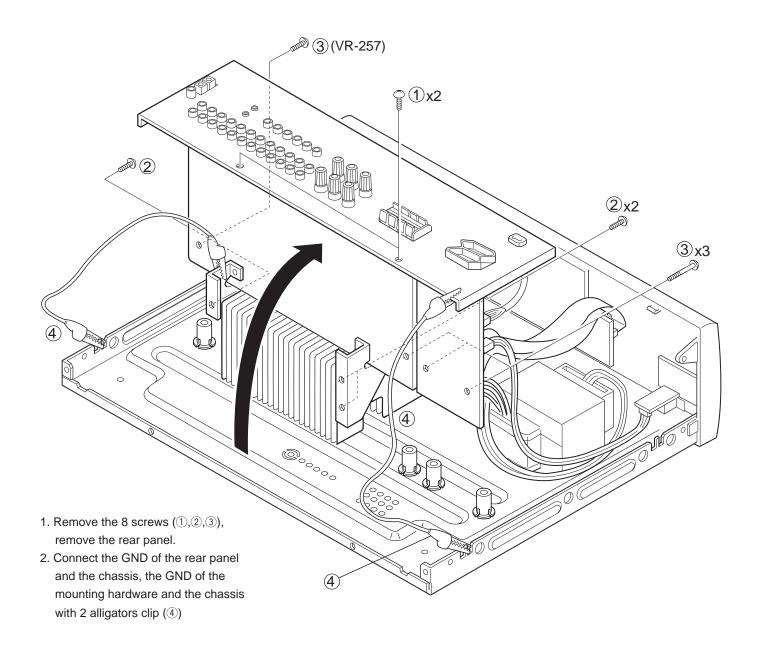
10 LISTEN MODE key

Use to select the listening mode.

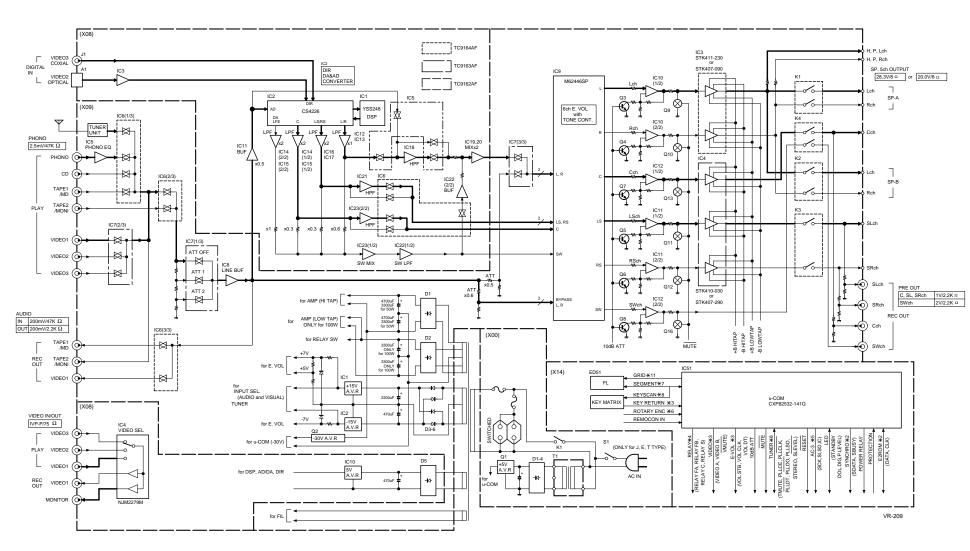
SETUP key

Use to select the surround sound settings.

KRF-V7510D/V8010D/VR-208/209 DISASSEMBLY FOR REPAIR

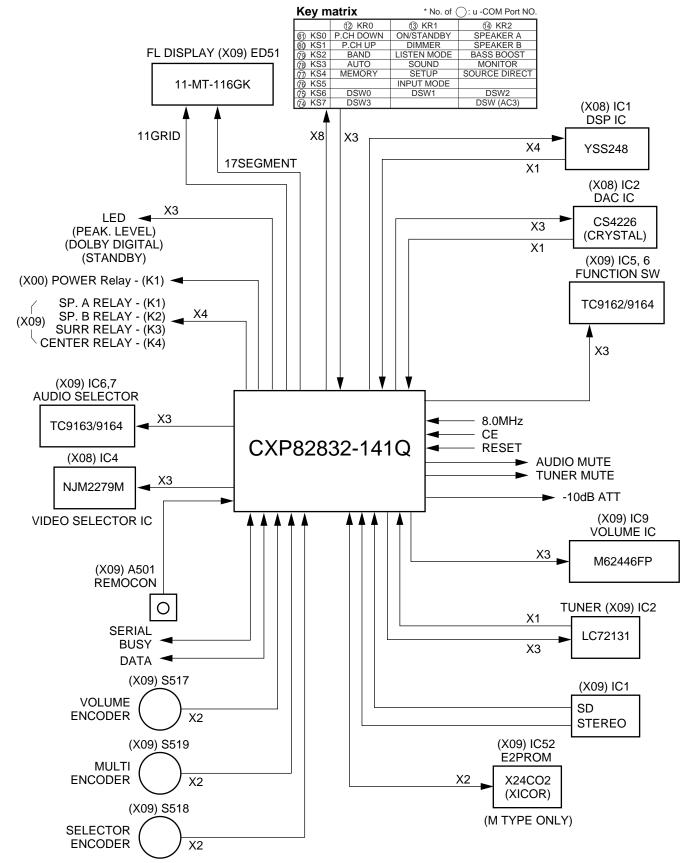


BLOCK DIAGRAM



CIRCUIT DESCRIPTION

- 1. Microprocessor CXP82832-141Q(X09 : IC51)
- 1-1 Microprocessor periphery block diagram



CIRCUIT DESCRIPTION

1-2 Pin description

Pin No.	Pin Name	I/O	Description
1,2	G10,11	0	Display grids 10,11
3	None	_	Ic test mode port.
4,5	None	I	No connect
6	AUDIO	I	Audio signal detection port. L=AUDIO.
7	VOL.ENC.A	I	Volume encoder A(clockwise) output.
8	REMOCON	I	Remote contol signal input.
9	VOL.ENC.B	I	Volume encoder B(counterclockwise) output.
10,11	None	0	Ic test mode port.
12-14	KR0-2	I	Key return 0-2.
15	PROTECT	I	Protection signal detection port. H=PROTECT.
16	S.DATA	I/O	Serial DATA signal.
17	S.BUSY	I/O	Serial BUSY signal.
18	E2.DT	I/O	E2 PROM data.
19	E2.CLK	I/O	E2 PROM clock.
20	SEL.ENC.A	ı	Selector encoder A(clockwise) input.
21	SEL.ENC.B	1	Selector encoder B(counterclockwise) input.
22	MULTI.ENC.A	1	Multi encoder A(clockwise) input.
23	MULTI.ENC.B	1	Multi encoder B(counterclockwise) input.
24	SER.IN	i	SL16/XS8 selector. H=16bit.
25	AC3.SCK	0	YSS248 clock output.
26	AC3.SI	I	YSS248 data input.
27	AS3.SO	0	YSS248 data output.
28	Vdd	_	Analog power supply(+5V)
29	None	1	No connect
30	SEL.ST2	0	TC9162AF/63AF/64AF st2 output. H=latch.
31	AC3.CS	0	YSS248 CS output.
32	CODEC.CS	0	CS4226 CS output.
33	PLL.DO	I	PII ic do signal input port.
34	PLL.ST	i i	Tuner stereo signal detection port. L=STEREO.
35	PLL.SD	1	Tuner sd signal detection port. L=TUNED.
36	RCV.CE	i	Receiver chip enable signal port. L=ENABLE.
37	Avss	_	Analog GND.
38	RESET	I	Microproessor reset signal.
39,40	8MHz	i	Main clock generation(8MHz).
41	Vss	_	Microprocessor GND.
42	None		No connect
43	TEX	_	GND.
44	Vdd	_	Power supply(+5V).
45	Vfdp		Power supply(-33V).
46	•	-	TC9162AF/63AF/64AF st1 output. H=latch.
47	SEL.ST1 PLL.DT	0	PII ic data signal output port.
48	PLL.DT PLL.CK	0	PII ic clock signal output port.
49	PLL.CK PLL.CE	0	PII ic clock signal output port. PII ic ce signal output port.
50 50		0	•
	T.TUNE		Tuner mute control. L=mute on. Output mute control. L=mute on.
51 52	A.MUTE	0	Output mute control. L=mute on.
52	SW.MUTE	0	Sub woofer mute control. L=mute on.
53	10dB.ATT	0	Volume 10dB attenuation control. H=att. on.
54	VOL.DT	0	Volume ic (M62446SP) data control.
55	VOL.CK	0	Volume ic (M62447SP) clock control. H=active.
56	VOL.ST	0	Volume ic (M62448SP) st control. H=active.
57	VCR.MUTE	0	Video ic (NJU2279D) cont2/4 mute control. L=mute on.
58	VCR.A	0	Video ic (NJU2279D) cont1 mute control. H/L=static.
59	VCR.BB	0	Video ic (NJU2279D) cont3 mute control. H/L=static.
60	FA.RLY	0	Front A speaker relay control. H=relay on.

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description
61	FB.RLY	0	Front B speaker relay control. H=relay on.
62	C.RLY	0	Center speaker relay control. H=relay on.
63	S.RLY	0	Rear speaker relay control. H=relay on.
64	POWER.RLY	0	Power relay control. H=relay on.
65	STANDBY.LED	0	Standby led control.L=led on.
66	DOL.DIG.LED	0	Dolby digital led control.L=led on.
67	P.LEVEL.LED	0	Peak level led control.L=led on.
68-70	None	0	No connect
71	PACL_CTL	0	Non oscillation of power pack ic at power off. L=stop oscillation.
72	AC3.IC	0	YSS248/CS4226 initial clear port.
73	EMPHASIS	0	Tuner emphasis on/off. H=100k/10k,L=50k/9k.
74-81	P1-8	0	Display segments 1-8 & key returns 0-7.
82-88	P9-15	0	Display segments 9-15.
89	Vdd	0	Microprocessor power supply(+5V)
90,91	P16,17	0	Display segments 16,17
92-100	G1-9	0	Display grids 1-9.

2. DSP YSS248 (X08: IC1)

2-1 Pin description

Pin No.	Pin Name	I/O	Descriptions
1	Vdd		Power supply(+5V)
2~7	TEST	0	Test port.
8	XI	I	Crystal oscillation port.
9	XO	0	Crystal oscillation port.
10	Vss		GND
11	CPO	0	PLL output port.
12~18	TEST	I	Test port.
19	VIN	I	PLL input port.
20	Vref	I	PLL input port.
21	Vdd		Power supply(+5V)
22~29	TEST	I	Test port.
30	Vss	_	GND
31	Vdd	_	Power supply(+5V)
32~39	OPORT	0	Register output ports.
40	Vss		GND
41	Vdd		Power supply(+5V)
42~44	TEST	I	Test port.
45~47	SDO2~0	0	PCM output port.
48	SDOBCK	I	Bit clock for SD output ports.
49	SDOWCK	I	Word clock for SD output ports.
50	Vss	_	GND
51	Vdd		Power supply(+5V)
52	AC3DATA	0	AC3 data detection port.
53	CRC	0	CRC error detection port.
54	MUTE	0	Automatic mute detection port.
55	KARAOKE	0	AC3 karaoke data detection port.
56	SURENC	0	AC3 2/0 mode dolby surround encode input detection port.
57	2/0MODE	0	AC3 2/0 mode input detection port.3.5
58,59	TEST	I	Test port.
60	Vss	_	GND
61	TEST	I	Test port.
62	/IC	I	Initial clear port.
63~65	TEST	I	Test port.
66	/CS	I	Microprocessor interface chip selector input port.

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Descriptions
67	SO	0	Microprocessor interface serial data output port.
68	SI	I	Microprocessor interface serial data input port.
69	SCK	I	Microprocessor interface clock input port.
70	TEST	I	Test port.
71	Vdd	_	Power supply(+5V)
72~79	STREAM	0	STREAM detection port.
80	Vss	_	GND
81	Vdd	_	Power supply(+5V)
82	SDIWCK	I	Word clock for SD input ports.
83	SDIBCK	I	Bit clock for SD input ports.
84,85	SD10,11	I	AC3 bit stream data input port.
86~89	TEST	I	Test port.
90	Vss	_	GND
91	Vdd	_	Power supply(+5V)
92~99	IPORT	I	Register input ports.
100	Vss	_	GND

3. FUNCTION IC TC9162AF(X08:IC5)

CONDITIO	N(PIN NO.)	(2,27)	(3,26)	(5,24)	(6,23)
S.DI	RECT	ON	OFF	*	*
STE	REO	ON	OFF	*	*
SURROUND	(DOWN MIX)	OFF	ON	*	*
	TEST TONE	OFF	ON	*	*
SETUP	SW-ch ON	*	*	OFF	ON
	SW-ch OFF	*	*	ON	OFF

4. FUNCTION IC TC9164AF(X08:IC6)

CO	CONDITION(PIN NO.)			(3-5)	(7)	(8)	(10)	(10)
CONDITION(PIN NO.)			C-ch HPF	C-ch FLAT	SW-SW+C	_	SR-ch FLAT	SR-ch HPF
	TEST TONE	SW-ch	*	*	ON	ON	*	*
CETUD		SW-ch	*	*	OFF	OFF	*	*
SETUP	C-ch	NORMAL	ON	OFF	ON	OFF	OFF	ON
		LARGE or NONE	OFF	ON	OFF	OFF	OFF	ON

5. FUNCTION IC TC9164AF(X08:IC6)

		· · ·								
C	(18)	(19)	(21)	(22)	(24)	(25)	(26)	(27)		
DOLBY	DIGITAL	YSE	ON	OFF	*	*	*	*	ON	ON
		NONE	ON	OFF	*	*	*	*	OFF	OFF
А	A & B SPEAKER OFF				ON	OFF	OFF	OFF		
	TEST TO	ON	OFF	*	*	OFF	OFF	OFF	OFF	
SETUP	SW-ch N	ON	OFF	*	*	*	*	OFF	OFF	
	SW-ch	YES	ON	OFF	OFF	ON	ON	ON	*	*
		NONE	ON	OFF	ON	OFF	OFF	OFF	*	*

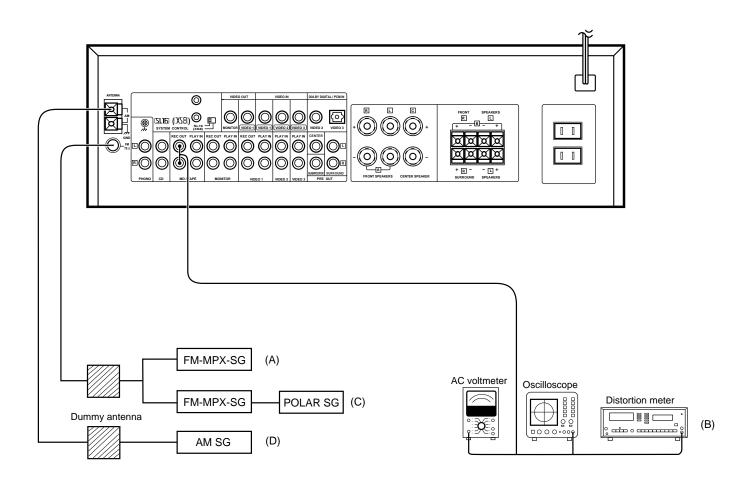
^{*:} Be not concerned with the condition.

6. SPEAKER SETUP

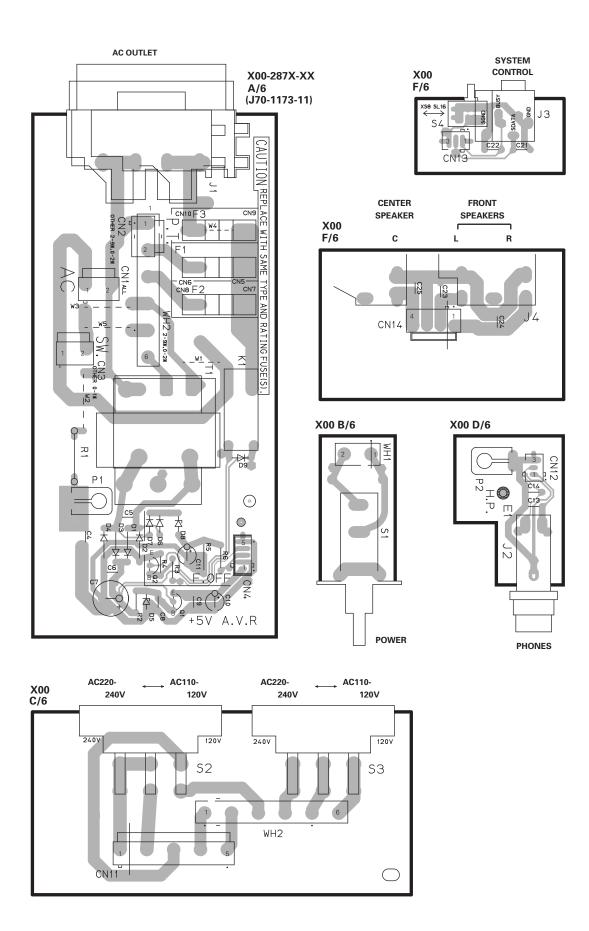
SUB WOOFER	YES				WOOFER YES NO					
FRONT SP	LOW CUT FREQ.				FRONT SP LOW CUT FREQ. FULL FREQ.					
CENTER SP	NORMAL NO			LARGE		NORMAL		NO		
SURROUND SP	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
CENTER MODE	NORMAL	_	PHANTOM	_	WIDE BAND	_	NORMAL	_	PHANTOM	_
(PRO LOGIC)										

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.					
FM S	FM SECTION SELECTOR: FM											
1	DISTORTION (STEREO)	(A) 98.0MHz 1kHz,±68.25kHz dev. Selector: L or R Pilot: ±6.75kHz dev. 70dBf(ANT. input)	(B)	98.0 MHz	IFT (TUNER A1)	Minimum distortion (L or R)						
2	TUNING LEVER	(A) 98.0MHz MONO 1kHz,±75kHz dev. 25dBf(ANT. input)	(B)	MONO 98.0 MHz	VR1 (TUNER UNIT)	Adjust VR1 and stop at the point where ED51 (TUNED) goes on.						



PC BOARD (Component side view) POWER SUPPLY UNIT

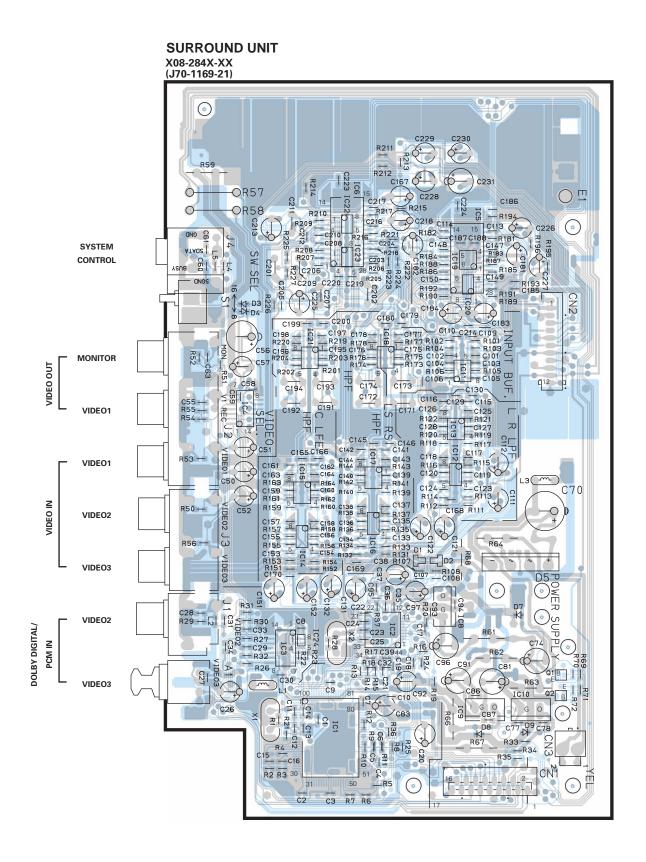


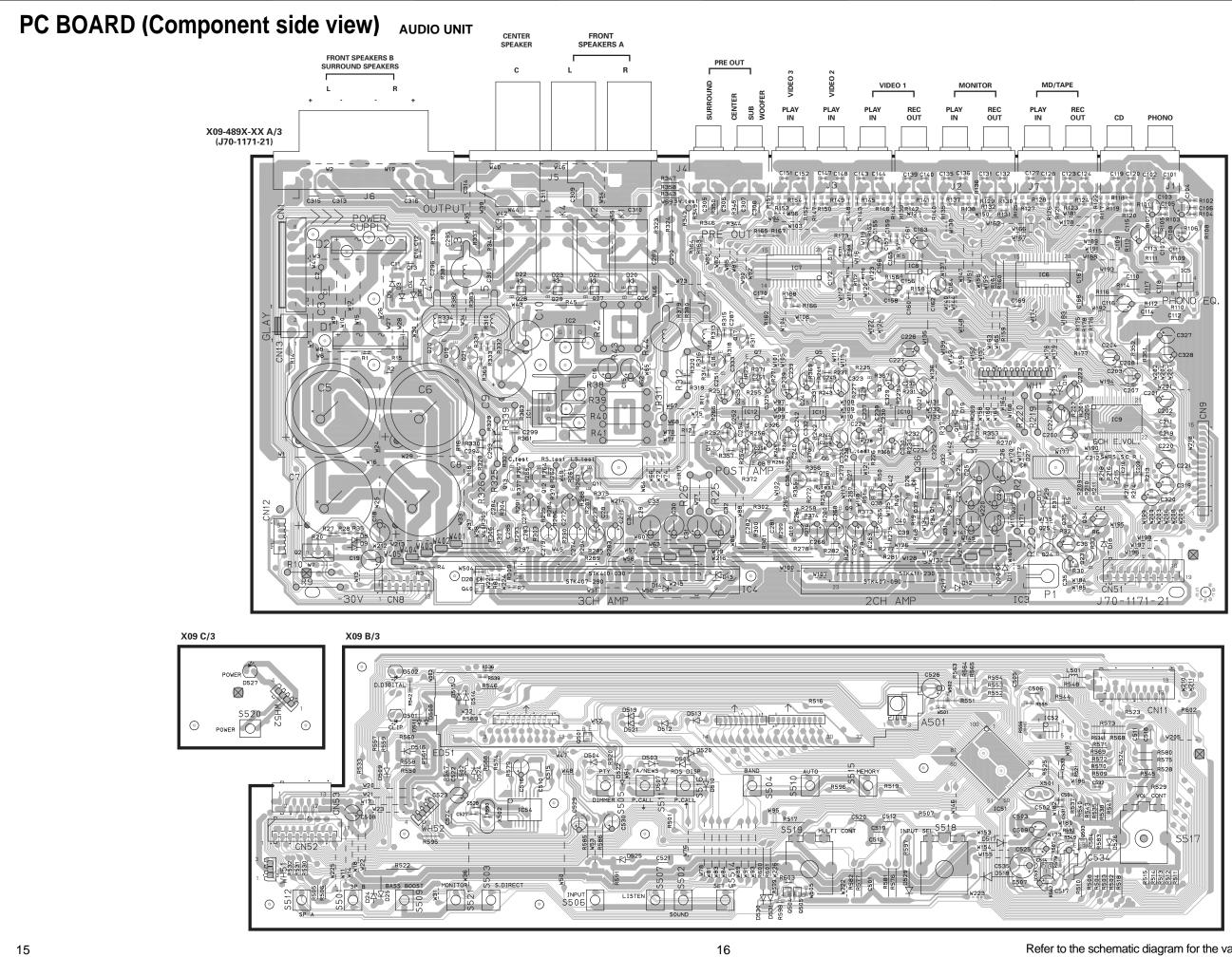
6

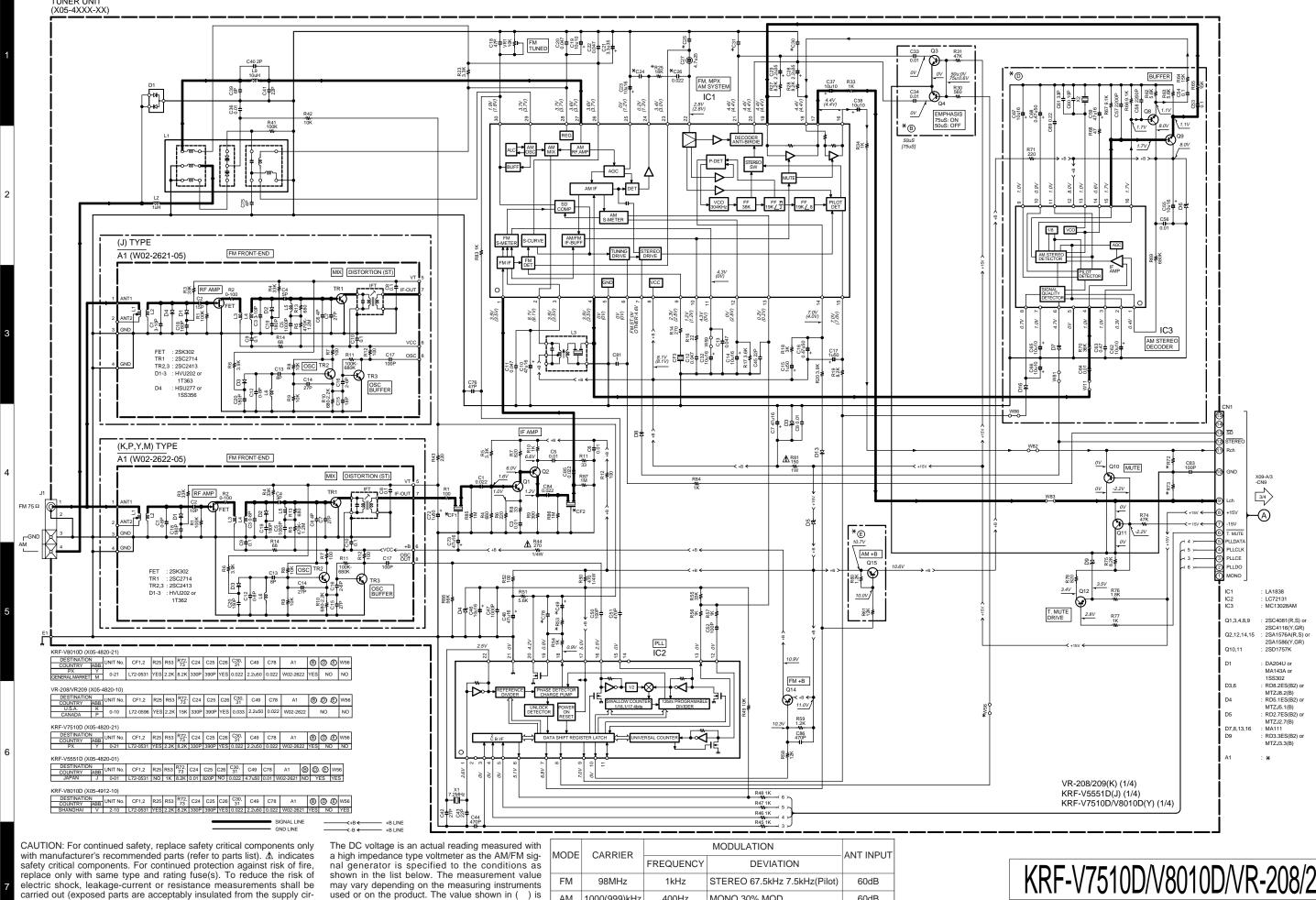
2

D

TUNER UNIT X05-482X-XX (J70-1145-11)







1000(999)kHz

actual reading measured in the AM made.

cuit) before the appliance is returned to the customer.

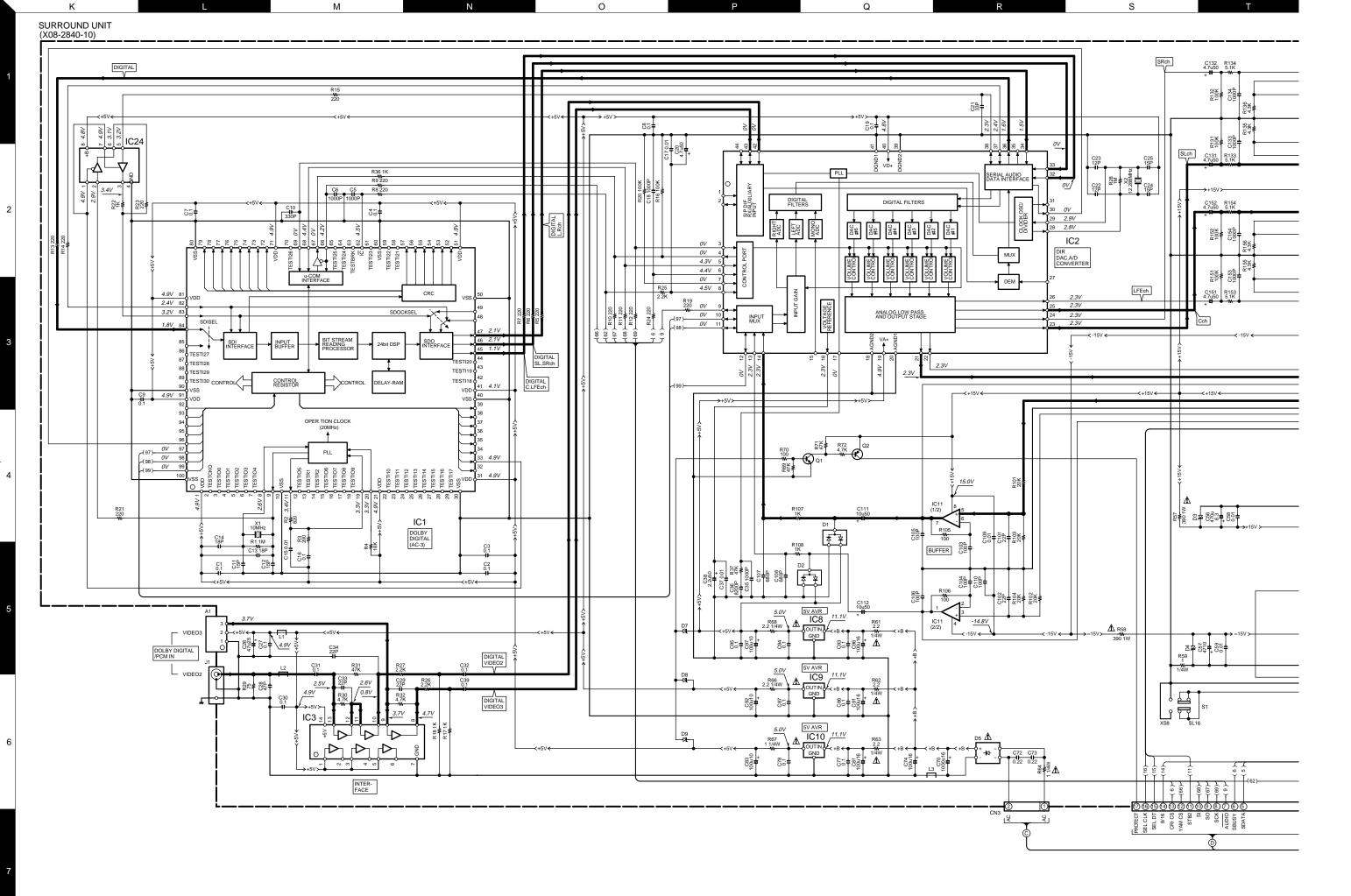
400Hz

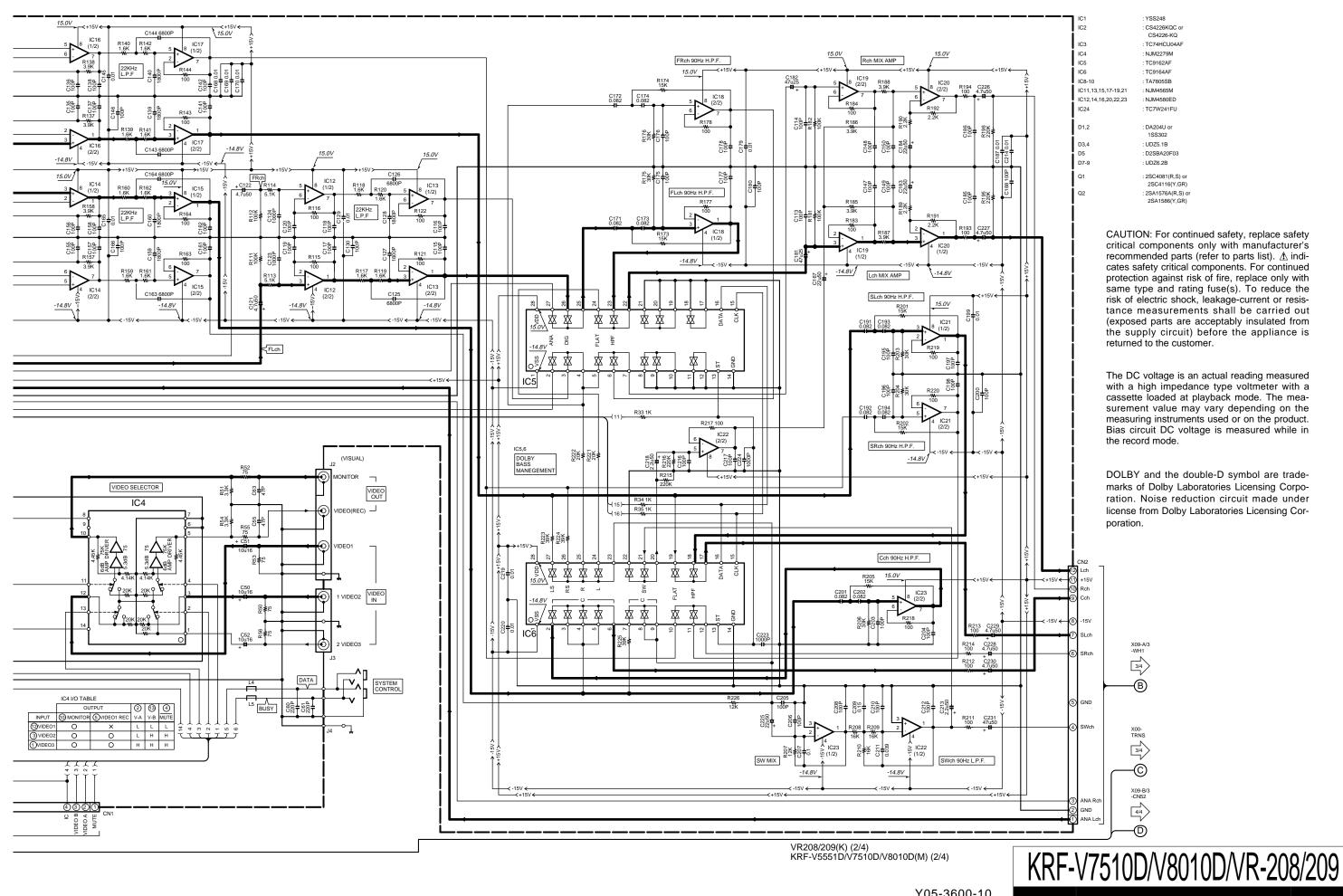
MONO 30% MOD

Y05-3600-10

KRF-V7510D/V8010D/VR-208/209

KENWOOD

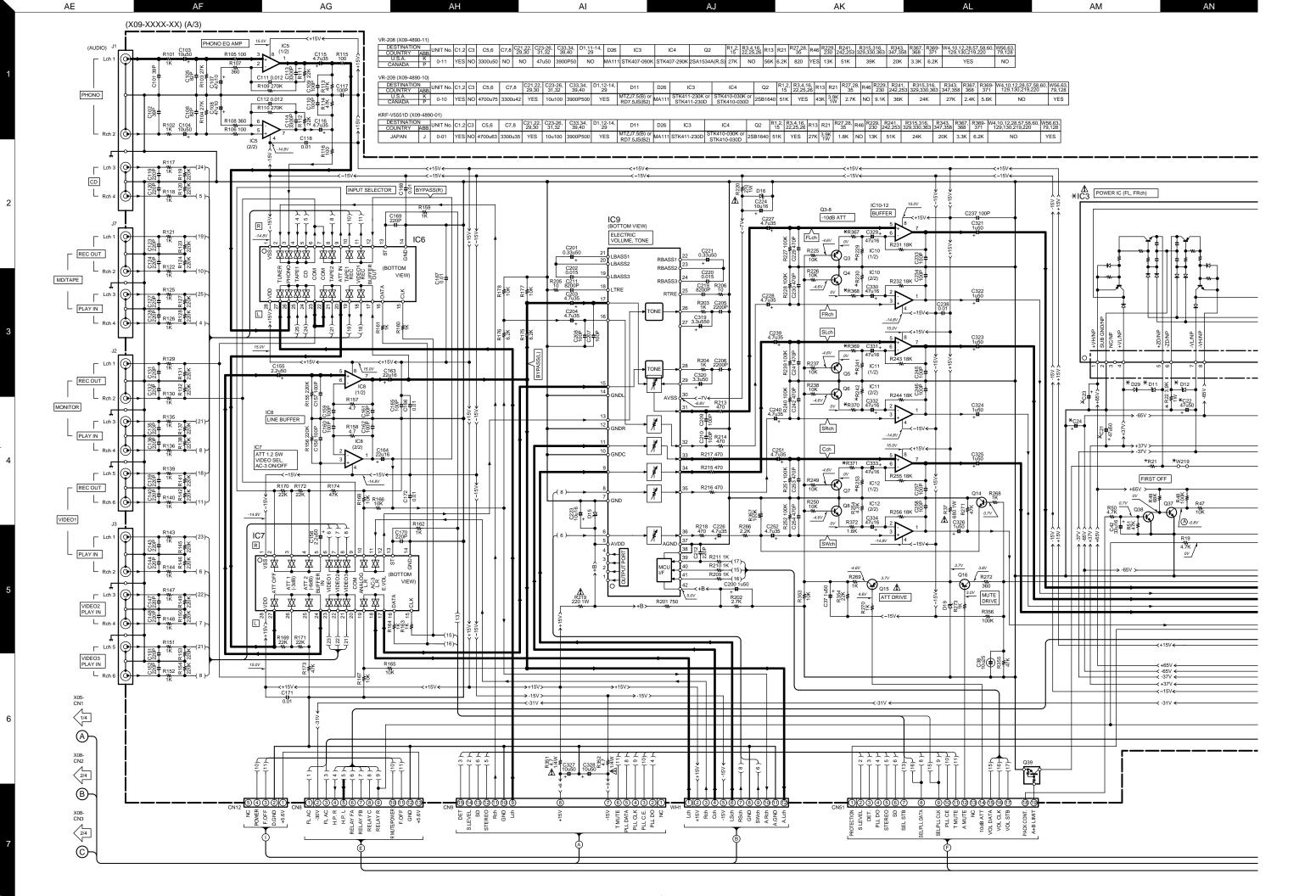


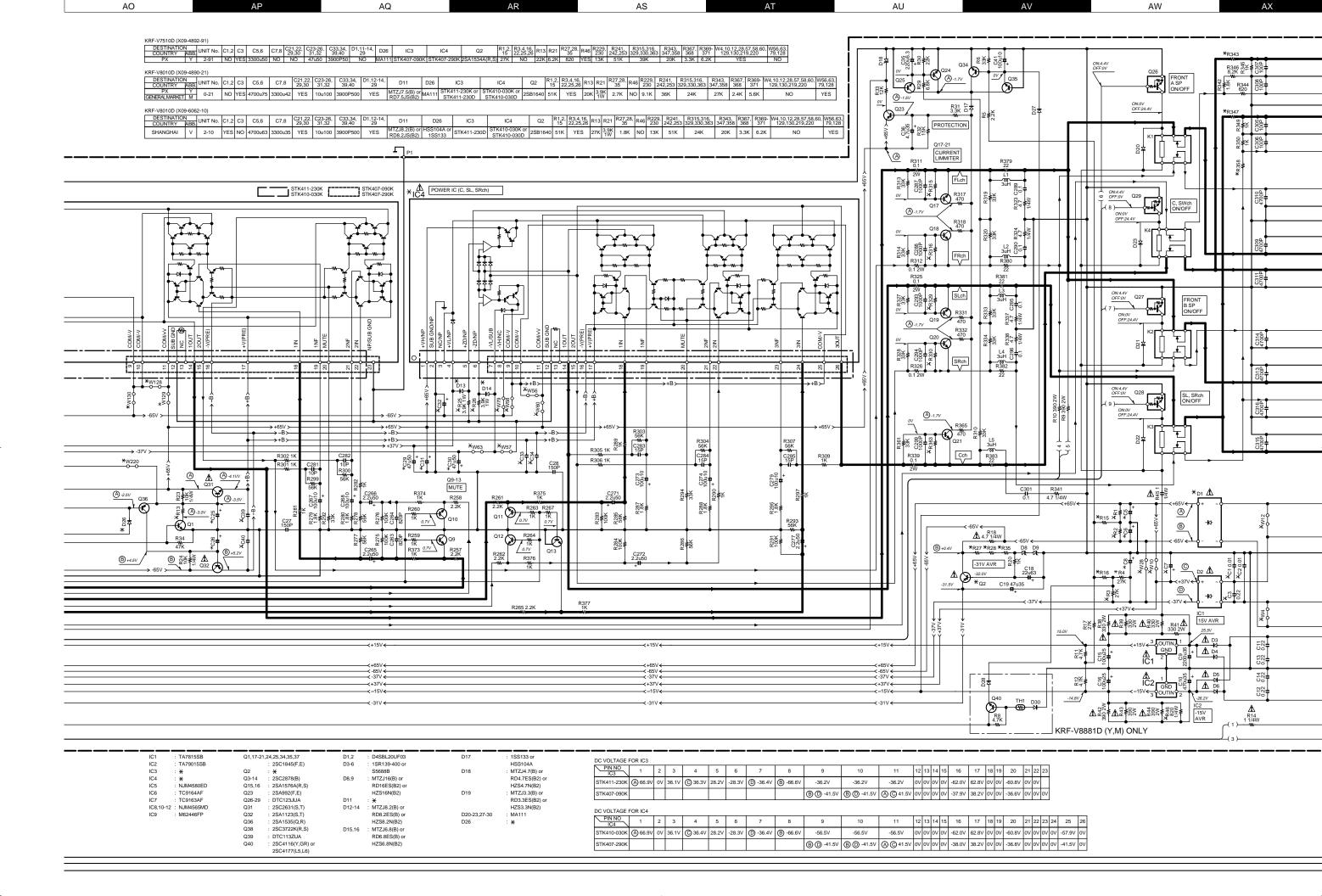


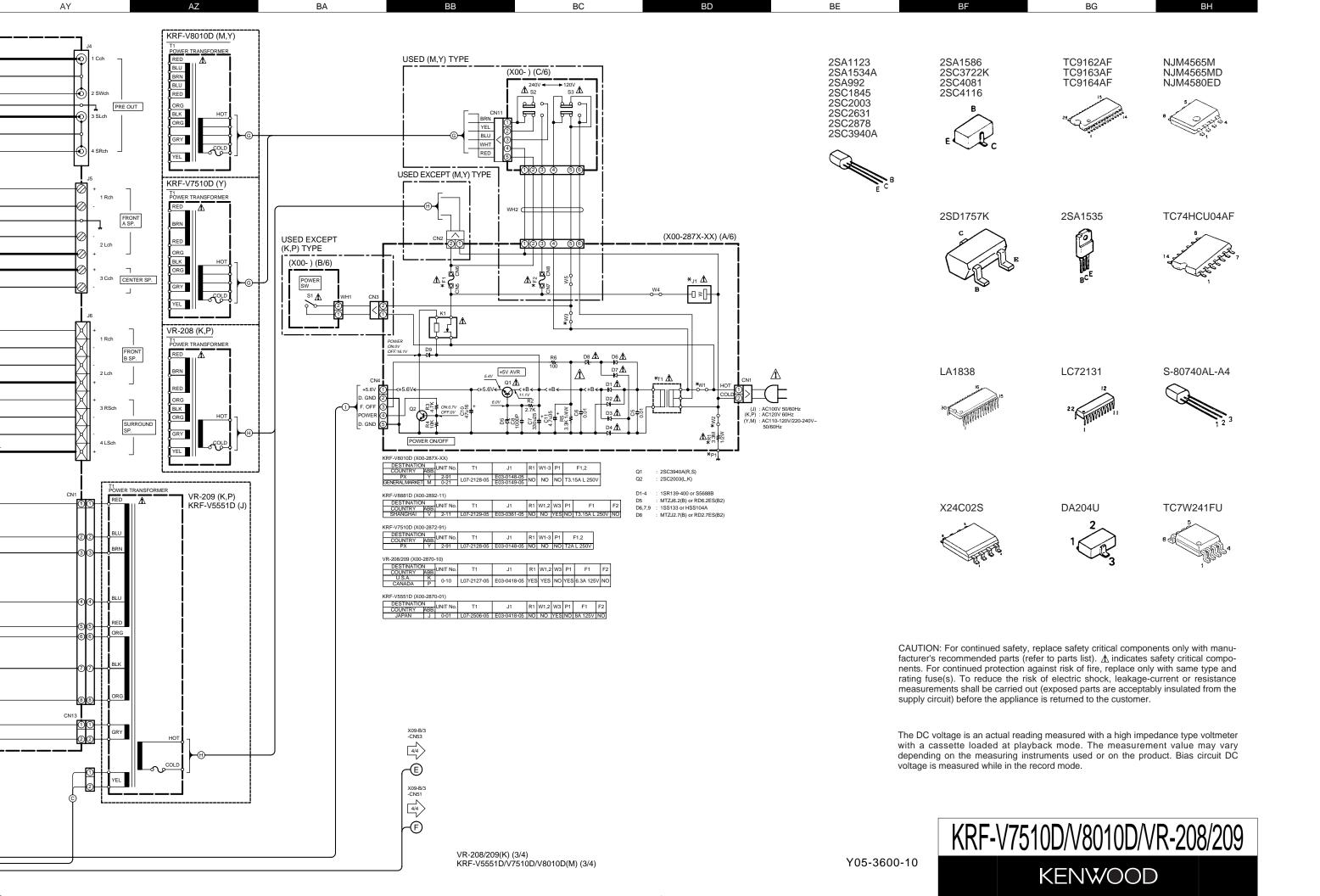
U

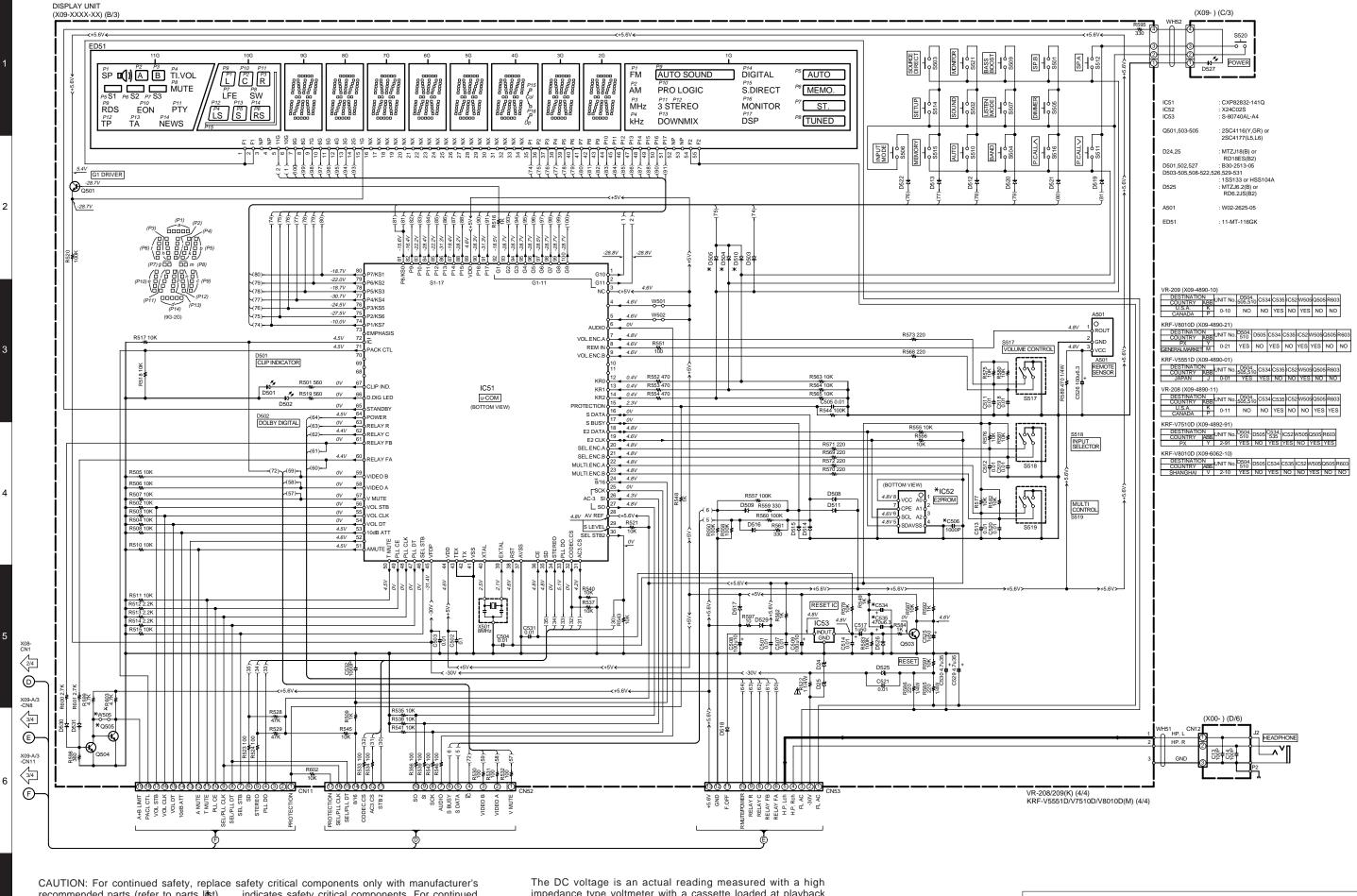
AA

AC









CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts libt). indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

BI

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

KRF-V7510D/V8010D/VR-208/209

BQ

С

Α

Parts with exploded numbers larger than 700 are not supplied.

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert

8

KRF-V7510D/V8010D/VR-208/209

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
			VR-208/209	9/KRF-V7510D/V8010D		
601 602 605 605 605	1A 1A 2A 2A 2A	* * * *	A01-3534-01 A09-0366-08 A60-1317-01 A60-1318-01 A60-1367-01	METALLIC CABINET BATTERY COVER PANEL PANEL PANEL	KP1 Y1M1 K1P2	
605 605 606 606 606	2A 2A 1A 1A	* * * * *	A60-1385-01 A60-1439-01 A70-1194-05 A70-1194-05 A70-1194-05	PANEL PANEL REMOTE CONTROLLER ASSY REMOTE CONTROLLER ASSY REMOTE CONTROLLER ASSY	Y2 V KP1Y1 K1P2Y2 M1	
606	1A		A70-1195-05	REMOTE CONTROLLER ASSY	V	
610 611 612 613	2A 2A 2A 2A	* * *	B10-2426-02 B11-0361-04 B12-0340-04 B43-0302-04 B46-0197-00	FRONT GLASS SMOKED FILTER INDICATOR KENWOOD BADGE QUESTIONAIRE CARD	KK1	
- - - -			B46-0329-03 B46-0330-03 B46-0330-03 B46-0336-03 B58-0513-04	WARRANTY CARD WARRANTY CARD WARRANTY CARD WARRANTY CARD CAUTION CARD (PRESET220-240)	V KY1K1 Y2 P1P2 Y1Y2	
- - - -			B58-0964-13 B58-0964-13 B58-0966-13 B58-0967-03 B58-1546-03	CAUTION CARD (UL) CAUTION CARD (UL) CAUTION CARD (PL) CAUTION CARD (PL) CAUTION CARD	KY1K1 Y2 M1 P1P2 V	
- - - -		* * * *	B59-1104-00 B60-3598-00 B60-3598-00 B60-3598-00 B60-3600-00	SERVICE DIRECTORY INSTRUCTION MANUAL(ENG) INSTRUCTION MANUAL(ENG) INSTRUCTION MANUAL(ENG) INSTRUCTION MANUAL(FRN)	Y1Y2 KP1Y1 K1P2Y2 M1 P1P2	
- - - -		* * * *	B60-3602-00 B60-3603-00 B60-3618-00 B60-3618-00 B60-3618-00	INSTRUCTION MANUAL(SPN,CHN)M1 INSTRUCTION MANUAL(CHAINA) INSTRUCTION MANUAL(ENG) INSTRUCTION MANUAL(ENG) INSTRUCTION MANUAL(ENG)	V KP1Y1 K1P2Y2 M1	
- - -		*	B60-3620-00 B60-3621-00 B60-3622-00	INSTRUCTION MANUAL(FRN) INSTRUCTION MANUAL(SPN,CHN)M1 INSTRUCTION MANUAL(CHN)	P1P2 V	
615 616 616 616 616	1A 1C 1C 1C 1C		E03-0115-05 E30-2605-05 E30-2824-15 E30-2842-05 E30-2849-05	AC PLUG ADAPTER AC POWER CORD AC POWER CORD AC POWER CORD AC POWER CORD	M1 Y1Y2 V M1 KP1K1	
616 617 618 619	1C 2B,1C 2A,2B 2A,1C	* *	E30-2849-05 E35-2016-05 E35-2017-05 E35-2018-05	AC POWER CORD FLAT CABLE FLAT CABLE FLAT CABLE	P2	
F1 F1 F1 ,2 F1 ,2			F50-0076-05 F50-0077-05 F50-0099-05 F50-0101-05	FUSE(5X20) 125V 6.3A FUSE(5X20) 125V 8A FUSE(5X20) 250V T2A FUSE(5X20) 250V T3.15A	K1P2 KP1 Y2 Y1M1V	

L: Scandinavia	3	Κ:	USA	P: Canada	R: Mexico	C: China	I: Malaysia
Y: PX(Far East	, Hawaii)	T:	Europe	E: Europe	G: Germany	V: China (Shanghai)	
Y: AAFES(Euro	ope)	X:	Australia	Q: Russia	H: Korea	M: Other Areas	

▲ indicates safety critical components.

	Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
	- - - -		* *	H10-7418-02 H10-7419-02 H25-0232-04 H25-0391-04 H50-2715-04	POLYSTYRENE FOAMED FIXTURE L POLYSTYRENE FOAMED FIXTURE R PROTECTION BAG (235X350X0.03) PROTECTION BAG ITEM CARTON CASE	KP1	
	- - - -		****	H50-2716-04 H50-2717-04 H50-2719-04 H50-2720-04 H50-2843-04	ITEM CARTON CASE	M1 Y1 K1P2 V Y2	
҈҆	625 627 628 635	2C 1B,2C 1C 1C		J02-1405-03 J19-5787-04 J19-5919-05 J42-0083-05 J61-0307-05	FOOT (D=46,H=14.5,T) UNIT HOLDER UNIT HOLDER POWER CORD BUSHING WIRE BAND		
	640 641 642 643 644	2A 2A 2A 2A 2A 2A	* * * *	K27-2274-04 K29-6879-02 K29-6880-04 K29-6881-04 K29-6898-03	KNOB (BUTTON) KNOB KNOB KNOB KNOB	Y1M1V	
1 1 1 1 1 1 1 1 1 1	650 650 650 650 650	1B 1B 1B 1B 1B	****	L07-2485-05 L07-2487-05 L07-2494-05 L07-2496-05 L07-2498-05	POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	KP1 Y1M1 V K1P2 Y2	
	655 656	1A 1A		T90-0810-05 T90-0833-05	LEAD WIRE ANTENNA LOOP ANTENNA		
				POWER S	SUPPLY (X00-2870-10)		
	C5 ,6 C7 C8 C10 C11			CK45FF1H103Z CE04EW1E331M CK45FB1H102K CE04LW1C470M CE04LW1V4R7M	CERAMIC 0.010UF Z ELECTRO 330UF 25WV CERAMIC 1000PF K ELECTRO 47UF 16WV ELECTRO 4.7UF 35WV		
	C13 ,14			CC45FSL1H101J	CERAMIC 100PF J		
	CN1 CN1 CN2 CN2 CN3			E40-4245-05 E40-4245-05 E40-4245-05 E40-4245-05 E40-4245-05	PIN ASSY PIN ASSY PIN ASSY PIN ASSY PIN ASSY	V Y1M1Y2 KP1K1 P2V V	
⚠	CN3 CN4 CN11 CN12 J1			E40-4245-05 E40-8197-05 E40-4281-05 E40-3247-05 E03-0148-05	PIN ASSY SOCKET FOR PIN ASSY PIN ASSY PIN ASSY AC OUTLET	Y1M1Y2 Y1M1Y2 KP1Y1	
Δ Δ Δ	J1 J1 J1 J2			E03-0148-05 E03-0149-05 E03-0361-05 E11-0295-05	AC OUTLET AC OUTLET AC OUTLET PHONE JACK (3P)	K1P2Y2 M1 V	
	CN5 ,6 CN7 ,8 E1			J13-0075-05 J13-0075-05 J11-0808-05	FUSE CLIP FUSE CLIP WIRE CLAMPER	Y1M1Y2	
<u>^</u>	T1 T1			L07-2127-05 L07-2127-05	POWER TRANSFORMER POWER TRANSFORMER	KP1K1 P2	
	L · Scandinavia		ν.	LICA D. Canada	R: Mayica C: China I: Malayeia		

L: Scandinavia K: USA P: Canada R: Mexico C: China I: Malaysia V: China (Shanghai) Y: PX(Far East, Hawaii) G: Germany T: Europe E: Europe Y: AAFES(Europe) X: Australia Q: Russia H: Korea M: Other Areas

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				nnes dans le Parts N erden nicht geliefert.	o. ne sont pas tourn	IS.				9
	Ref. No	Add- ress	New Parts	Parts No.	D	escription			Dești- nation	Re- marks
<u>^</u>	T1 T1			L07-2128-05 L07-2129-05	POWER TRANSFO				Y1M1Y2 V	
<u>^</u>	R1 R1			R92-1844-05 R92-1844-05	CARBON CARBON	3.3M 3.3M	J J	1/2W 1/2W	KP1K1 P2	
↑ ↑ ↑	K1 S1 S1 S2 ,3			\$76-0070-05 \$68-0088-05 \$68-0088-05 \$62-0001-05	MAGNETIC RELA' PUSH SWITCH PUSH SWITCH SLIDE SWITCH	Y			V Y1M1Y2 Y1M1Y2	
<u>↑</u>	D1 -4 D1 -4 D5 D5 D6 ,7			S5688B 1SR139-400 MTZJ6.2(B) RD6.2ES(B2) HSS104A	DIODE DIODE ZENER DIODE ZENER DIODE DIODE					
Δ Δ	D6 ,7 D8 D8 D9 D9			1SS133 MTZJ2.7(B) RD2.7ES(B2) HSS104A 1SS133	DIODE ZENER DIODE ZENER DIODE DIODE DIODE					
Δ	Q1 Q2			2SC3940A(R,S) 2SC2003(L,K)	TRANSISTOR TRANSISTOR					
				TUNI	ER (X05-4820	0-10)				
	C1 C3 C5 ,6 C7 C8			CK73FB1H223K CK73FB1H103K CK73FB1H103K CE04LW1C470M CK73EB1H103K	CHIP C CHIP C CHIP C ELECTRO CHIP C	0.022UF 0.010UF 0.010UF 47UF 0.010UF	K K K 16\	VV		
	C10			CE04LW1C470M	ELECTRO	47UF	16\	VV		

L: Scandinavia	K:USA	P: Canada	R: Mexico	C: China	I : Malaysi	ia
C37 ,38 C39		217-05 FCH1H060D	ELECTRO CHIP C	10UF 6.0P		
C30 ,31 C32 C33 ,34 C33 ,34 C36	CE04L CK73F CK73F	EB1H333K .W1C100M EB1H103K EB1H103K EB1H103K	CHIP C ELECTRO CHIP C CHIP C CHIP C	0.03: 10UF 0.01(0.01(0.01)	16WV OUF K OUF K	P2 V Y1M1Y2
C27 C28 ,29 C30 ,31 C30 ,31 C30 ,31	C90-33 CK73F CK73F	HW1E4R7M 240-05 B1H223K B1H223K B1H333K	NP-ELEC ELECTRO CHIP C CHIP C CHIP C	4.7U 2.2U 0.02 0.02 0.03	F 35WV 2UF K 2UF K	V Y1M1Y2 KP1K1
C22 C23 C24 C25 C26	CE04L CK73F CK73F	B1H473K W1C100M B1H331K B1H391K B1H223K	CHIP C ELECTRO CHIP C CHIP C CHIP C	0.04 10UF 330F 390F 0.022	F 16WV PF K PF K	
C17 C18 C19 C20 C21	CC73F C90-32 CK73F	253-05 FCH1H470J 217-05 FB1H473K 241-05	ELECTRO CHIP C ELECTRO CHIP C ELECTRO	1.0U 47PF 10UF 0.04 3.3U	= J = 10WV 7UF K	
C10 C11 -13 C14 C15 C16	CK73F CE04L CE04L	W1C470M FB1H473K W1C100M W1H010M 251-05	ELECTRO CHIP C ELECTRO ELECTRO ELECTRO	47UF 0.04 10UF 1.0U 0.47	7UF K = 16WV F 50WV	
C1 C3 C5 ,6 C7 C8	CK73F CK73F CE04L	FB1H223K FB1H103K FB1H103K .W1C470M FB1H103K	CHIP C CHIP C CHIP C ELECTRO CHIP C	0.022 0.010 0.010 47UF 0.010	OUF K OUF K = 16WV	

G: Germany V: China (Shanghai)

H: Korea

M: Other Areas

E: Europe

X: Australia Q: Russia

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Ref. No	Add- ress	New Parts	Parts No.		Description				
C40 C41 C42 C43 C44			CC73FCH1H020C CC73FCH1H220J CC73FCH1H270J CC73FCH1H220J CK73FB1H471K	CHIP C CHIP C CHIP C CHIP C CHIP C	2.0PF 22PF 27PF 22PF 470PF	C J J			
C45 C46 C47 C48 C49			CC73FCH1H220J CE04LW1C100M CK73FB1H102K CE04LW1C470M CE04LW1H2R2M	CHIP C ELECTRO CHIP C ELECTRO ELECTRO	22PF 10UF 1000PF 47UF 2.2UF	J 16WV K 16WV 50WV			
C50 C51 C52 C72 C73			CC73FSL1H101J CK73FB1H471K CC73FSL1H101J CE04LW1H010M CE04LW1C470M	CHIP C CHIP C CHIP C ELECTRO ELECTRO	100PF 470PF 100PF 1.0UF 47UF	J K J 50WV 16WV			
C75 C76 C78 C81 C83			CC73FCH1H040C CC73FCH1H470J CK73FB1H223K CK73FF1C105Z CC73FSL1H101J	CHIP C CHIP C CHIP C CHIP C CHIP C	4.0PF 47PF 0.022UF 1.0UF 100PF	C J K Z J			
C84 ,85 C86			CK73FB1H223K CK73FB1H471K	CHIP C CHIP C	0.022UF 470PF	K K			
CN1 J1			E40-9831-05 E70-0080-05	SOCKET FOR PIN LOCK TERMINAL					
E1			F10-1108-04	SHIELDING PLAT	E				
CF1 ,2 CF1 ,2 CF1 ,2 CF1 ,2 CF3		*	L72-0531-05 L72-0531-05 L72-0596-05 L72-0596-05 L72-0607-05	CERAMIC FILTER CERAMIC FILTER CERAMIC FILTER CERAMIC FILTER CERAMIC FILTER			V Y1M1Y2 KP1K1 P2		
L1 L2 L3 L9 X1		*	L39-1366-05 L40-1091-82 L30-0911-05 L40-1001-82 L77-2187-05	COMBINATION CO SMALL FIXED IND AM IFT SMALL FIXED IND CRYSTAL RESON	DUCTOR(1.0 DUCTOR(10)	•			
R1 R4 R5 R6 R7			RK73FB2A101J RK73FB2A681J RK73FB2A332J RK73FB2A221J RK73FB2A821J	CHIP R CHIP R CHIP R CHIP R CHIP R	100 680 3.3K 220 820	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W			
R8 R9 R10 R11 R12			RK73FB2A330J RK73FB2A391J RK73FB2A102J RK73FB2A330J RK73FB2A101J	CHIP R CHIP R CHIP R CHIP R CHIP R	33 390 1.0K 33 100	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W			
R14 R16 R17 R18 R19			RK73FB2A271J RK73FB2A220J RK73FB2A362J RK73FB2A302J RK73FB2A822J	CHIP R CHIP R CHIP R CHIP R CHIP R	270 22 3.6K 3.0K 8.2K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W			
R20 R23 R25			RK73FB2A392J RK73FB2A332J RK73FB2A183J	CHIP R CHIP R CHIP R	3.9K 3.3K 18K	J 1/10W J 1/10W J 1/10W			

L: Scandinavia K: USA P: Canada R: Mexico C: China Y: PX(Far East, Hawaii) T: Europe E: Europe G: Germany V: China (Shanghai) Y: AAFES(Europe) M: Other Areas X: Australia Q: Russia H: Korea

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Y: PX(Far East, Hawaii) T: Europe

Y: AAFES(Europe)

6

* New Parts

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Ref. No	Add- ress	New Parts	Parts No.	ı	Description			Desti- nation	Re- marks
R27 ,28 R30 R30 R31 R31			RK73FB2A822J RK73FB2A561J RK73FB2A561J RK73FB2A473J RK73FB2A473J	CHIP R CHIP R CHIP R CHIP R CHIP R	8.2K 560 560 47K 47K	J J J	1/10W 1/10W 1/10W 1/10W 1/10W	V Y1M1Y2 V Y1M1Y2	
R33 ,34 R42 R43 R44 R45			RK73FB2A102J RK73FB2A103J RK73FB2A221J RD14NB2E271J RK73EB2B102J	CHIP R CHIP R CHIP R RD CHIP R	1.0K 10K 220 270 1.0K	J J J J	1/10W 1/10W 1/10W 1/4W 1/8W		
R46 R47 R48 R49 R50			RK73FB2A102J RK73EB2B102J RK73FB2A102J RK73FB2A103J RD14NB2E471J	CHIP R CHIP R CHIP R CHIP R RD	1.0K 1.0K 1.0K 10K 470	J J J J	1/10W 1/8W 1/10W 1/10W 1/4W		
R51 R52 R53 R54 R55			RK73FB2A562J RK73FB2A101J RK73FB2A222J RK73FB2A102J RK73FB2A333J	CHIP R CHIP R CHIP R CHIP R CHIP R	5.6K 100 2.2K 1.0K 33K	J J J J	1/10W 1/10W 1/10W 1/10W 1/10W		
R56 ,57 R58 R59 R72 ,73 R72 ,73			RK73FB2A102J RK73FB2A123J RK73FB2A122J RK73FB2A153J RK73FB2A153J	CHIP R CHIP R CHIP R CHIP R CHIP R	1.0K 12K 1.2K 15K 15K	J J J J	1/10W 1/10W 1/10W 1/10W 1/10W	KP1K1 P2	
R72 ,73 R72 ,73 R74 R75 R76			RK73FB2A822J RK73FB2A822J RK73FB2A473J RK73FB2A822J RK73FB2A182J	CHIP R CHIP R CHIP R CHIP R CHIP R	8.2K 8.2K 47K 8.2K 1.8K	J J J J	1/10W 1/10W 1/10W 1/10W 1/10W	V Y1M1Y2	
R78 R81 R83 R84 R85 -87			RK73FB2A821J RS14KB3A151J RK73FB2A102J RK73EB2B102J RK73FB2A105J	CHIP R FL-PROOF RS CHIP R CHIP R CHIP R	820 150 1.0K 1.0K 1.0M	J J J J	1/10W 1W 1/10W 1/8W 1/10W		
R88 VR1 W51 ,52 W54 ,55 W56			RK73FB2A563J R32-0037-05 R92-0670-05 R92-0670-05 R92-0670-05	CHIP R SEMI FIXED VAR CHIP R CHIP R CHIP R	56K NABLE RES 0 OHM 0 OHM 0 OHM	J ISTO	1/10W R	V	
W56 W57 W59 ,60 W80 W82 -85			R92-0670-05 R92-0670-05 R92-0670-05 R92-0679-05 R92-0679-05	CHIP R CHIP R CHIP R CHIP R CHIP R	0 OHM 0 OHM 0 OHM 0 OHM 0 OHM			Y1M1Y2	
D1 D1 D1 D3 D3			DA204U MA143A 1SS302 MTZJ8.2(B) RD8.2ES(B2)	DIODE DIODE DIODE ZENER DIODE ZENER DIODE					
D4 D4 D5 D5 D8			MTZJ5.1(B) RD5.1ES(B2) MTZJ2.7(B) RD2.7ES(B2) MA111	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE					

L: Scandinavia K: USA P: Canada R: Mexico C: China I: Malaysia Y: PX(Far East, Hawaii) E: Europe V: China (Shanghai) T: Europe G: Germany

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Ref. No	Add- ress	New Parts	Parts No.	l l	Description		Desti- nation	Re- mark
D9 D9 D13 IC1 IC2			MTZJ3.3(B) RD3.3ES(B2) MA111 LA1838 LC72131	ZENER DIODE ZENER DIODE DIODE ANALOGUE IC MOS-IC				
Q1 Q1 Q2 Q2 Q3 ,4			2SC4081(R,S) 2SC4116(Y,GR) 2SA1576A(R,S) 2SA1586(Y,GR) 2SC4081(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR			V	
Q3 ,4 Q3 ,4 Q3 ,4 Q10 ,11 Q12			2SC4081(R,S) 2SC4116(Y,GR) 2SC4116(Y,GR) 2SD1757K 2SA1576A(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR			Y1M1Y2 V Y1M1Y2	
Q12 Q14 Q14			2SA1586(Y,GR) 2SA1576A(R,S) 2SA1586(Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR				
A1			W02-2622-05	FM FRONT-END	ASSY			
			SURRO	UND (X08-2	840-10)			
C1 -4 C5 ,6 C7 -9 C10 C11 ,12			CK73FB1E104K CC73FSL1H102J CK73FB1E104K CC73FSL1H331J CC73FCH1H150J	CHIP C CHIP C CHIP C CHIP C CHIP C	0.10UF 1000PF 0.10UF 330PF 15PF	K J J J		
C13 ,14 C15 C16 C17 C18			CC73FCH1H180J CK73FB1H103K CK73FB1E104K CK73FB1H103K CC73FSL1H102J	CHIP C CHIP C CHIP C CHIP C CHIP C	18PF 0.010UF 0.10UF 0.010UF 1000PF	J K K K J		
C19 C20 C21 C22 ,23 C24 ,25			CK73FB1E104K CE04LW1H4R7M CC73FCH1H330J CC73FCH1H120J CC73FCH1H150J	CHIP C ELECTRO CHIP C CHIP C CHIP C	0.10UF 4.7UF 33PF 12PF 15PF	K 50WV J J		
C26 C27 C28 C29 C30 -32			CE04LW1E470M CK73FB1E104K CC73FSL1H470J CC73FCH1H220J CK73FB1E104K	ELECTRO CHIP C CHIP C CHIP C CHIP C	47UF 0.10UF 47PF 22PF 0.10UF	25WV K J J K		
C33 ,34 C35 C36 C37 C38			CC73FCH1H220J CC73FSL1H102J CK73FB1H822K CK73FB1H103K CE04LW1H2R2M	CHIP C CHIP C CHIP C CHIP C ELECTRO	22PF 1000PF 8200PF 0.010UF 2.2UF	J J K K 50WV		
C39 C50 -52 C55 C56 C57			CK73FB1E104K CE04LW1C100M CC73FSL1H470J CE04LW0J471M CE04LW1A470M	CHIP C ELECTRO CHIP C ELECTRO ELECTRO	0.10UF 10UF 47PF 470UF 47UF	K 16WV J 6.3WV 10WV		
C58 ,59 C60 ,61 C63 C70			CK73FB1H103K CC73FSL1H221J CC73FSL1H470J CE04LW1C102M	CHIP C CHIP C CHIP C ELECTRO	0.010UF 220PF 47PF 1000UF	K J J 16WV		

L: Scandinavia C: China K: USA P: Canada R: Mexico V: China (Shanghai) Y: PX(Far East, Hawaii) T: Europe E: Europe G: Germany Y: AAFES(Europe) X : Australia Q: Russia H: Korea M: Other Areas

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C72 ,73 C74 C77 ,78 C81 C83			CK73FF1C224Z CE04LW1C101M CK73FB1E104K CE04LW1C101M CE04LW1A101M	CHIP C ELECTRO CHIP C ELECTRO ELECTRO	0.22UF 100UF 0.10UF 100UF 100UF	Z 16WV K 16WV 10WV		
C86 ,87 C91 C92 C93 -95 C96			CK73FB1E104K CE04LW1C101M CE04LW1A101M CK73FB1E104K CE04LW1C101M	CHIP C ELECTRO ELECTRO CHIP C ELECTRO	0.10UF 100UF 100UF 0.10UF 100UF	K 16WV 10WV K 16WV		
C97 C101,102 C103-106 C107,108 C109			CE04LW1A101M CC73FCH1H220J CC73FSL1H101J CC73FSL1H681J CK73FB1H103K	ELECTRO CHIP C CHIP C CHIP C CHIP C	100UF 22PF 100PF 680PF 0.010UF	10WV J J J K		
C110 C111,112 C113-120 C121,122 C123,124			CC73FSL1H101J CE04LW1H100M CC73FSL1H101J CE04LW1H4R7M CC73FSL1H102J	CHIP C ELECTRO CHIP C ELECTRO CHIP C	100PF 10UF 100PF 4.7UF 1000PF	J 50WV J 50WV J		
C125,126 C127,128 C129 C130 C131,132			CK73FB1H682K CK73FB1H182K CK73FB1H103K CC73FSL1H101J CE04LW1H4R7M	CHIP C CHIP C CHIP C CHIP C ELECTRO	6800PF 1800PF 0.010UF 100PF 4.7UF	K K K J 50WV		
C133,134 C135-138 C139,140 C141,142 C143,144			CC73FSL1H102J CC73FSL1H101J CK73FB1H182K CC73FSL1H101J CK73FB1H682K	CHIP C CHIP C CHIP C CHIP C CHIP C	1000PF 100PF 1800PF 100PF 6800PF	J K J K		
C145 C146-150 C151,152 C153,154 C155-158			CK73FB1H103K CC73FSL1H101J CE04LW1H4R7M CC73FSL1H102J CC73FSL1H101J	CHIP C CHIP C ELECTRO CHIP C CHIP C	0.010UF 100PF 4.7UF 1000PF 100PF	K J 50WV J J		
C159,160 C161,162 C163,164 C165 C166			CK73FB1H182K CC73FSL1H101J CK73FB1H682K CK73FB1H103K CC73FSL1H101J	CHIP C CHIP C CHIP C CHIP C CHIP C	1800PF 100PF 6800PF 0.010UF 100PF	K K K J		
C167 C168-170 C171-174 C175-178 C179			CE04LW1H220M CK73FB1H103K CQ92FM1H823J CC73FSL1H101J CK73FB1H103K	ELECTRO CHIP C MYLAR CHIP C CHIP C	22UF 0.010UF 0.082UF 100PF 0.010UF	50WV K J J K		
C180 C181,182 C183,184 C185,186 C187			CC73FSL1H101J CE04LW1E470M CE04LW1H220M CC73FSL1H101J CK73FB1H103K	CHIP C ELECTRO ELECTRO CHIP C CHIP C	100PF 47UF 22UF 100PF 0.010UF	J 25WV 50WV J K		
C188 C191-194 C195-198 C199 C200			CC73FSL1H101J CQ92FM1H823J CC73FSL1H101J CK73FB1H103K CC73FSL1H101J	CHIP C MYLAR CHIP C CHIP C CHIP C	100PF 0.082UF 100PF 0.010UF 100PF	J J K J		

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C201,202 C203-206 C207 C208 C209			CQ92FM1H823J CC73FSL1H101J CQ92FM1H104J CC73FSL1H101J CQ92FM1H154J	MYLAR CHIP C MYLAR CHIP C MYLAR	0.082UF 100PF 0.10UF 100PF 0.15UF]]]			
C210 C211 C212 C213 C214			CC73FSL1H101J CQ92FM1H393J CC73FSL1H101J CE04LW1H2R2M CK73FB1H103K	CHIP C MYLAR CHIP C ELECTRO CHIP C	100PF 0.039UF 100PF 2.2UF 0.010UF	J J 50V K	VV		
C216,217 C218 C219,220 C223,224 C225			CC73FSL1H101J CE04LW1H2R2M CK73FB1H103K CC73FSL1H102J CE04LW1H220M	CHIP C ELECTRO CHIP C CHIP C ELECTRO	100PF 2.2UF 0.010UF 1000PF 22UF	J 50V K J 50V			
C226-230 C231			CE04LW1H4R7M CE04LW1H470M	ELECTRO ELECTRO	4.7UF 47UF	50V 50V			
CN1 CN2 CN3 J1 J2			E40-8253-05 E40-3256-05 E40-4248-05 E63-1022-05 E63-1021-05	FLAT CABLE CON PIN ASSY PIN ASSY PHONO JACK PHONO JACK	NECTOR				
J3 J4			E63-1020-05 E11-0347-05	PHONO JACK MINIATURE PHON	IE JACK(2P	')			
E1			J11-0808-05	WIRE CLAMPER					
L1 L2 L3 L4 ,5			L92-0044-05 L79-1216-05 L92-0044-05 L79-1216-05 L77-2220-05	FERRITE CORE LINE FILTER FERRITE CORE LINE FILTER CRYSTAL RESON.	ATOR(10MI	HZ)			
X2			L77-2221-05	CRYSTAL RESON	ATOR(12.28	B8MH	IZ)		
R1 R2 R3 R4 R5 -15			RK73FB2A105J RK73FB2A821J RK73FB2A201J RK73FB2A183J RK73FB2A221J	CHIP R CHIP R CHIP R CHIP R CHIP R	1.0M 820 200 18K 220	J J J	1/10W 1/10W 1/10W 1/10W 1/10W		
R16 R17 ,18 R19 R20 R21			RK73FB2A104J RK73FB2A102J RK73FB2A221J RK73FB2A104J RK73FB2A221J	CHIP R CHIP R CHIP R CHIP R CHIP R	100K 1.0K 220 100K 220]]]	1/10W 1/10W 1/10W 1/10W 1/10W		
R22 R23 ,24 R25 -27 R28 R29			RK73FB2A102J RK73FB2A221J RK73FB2A222J RK73FB2A105J RK73FB2A750J	CHIP R CHIP R CHIP R CHIP R CHIP R	1.0K 220 2.2K 1.0M 75]]]	1/10W 1/10W 1/10W 1/10W 1/10W		
R30 R31 R32 R33 -36 R37			RK73FB2A472J RK73FB2A473J RK73FB2A472J RK73FB2A102J RK73FB2A473J	CHIP R CHIP R CHIP R CHIP R CHIP R	4.7K 47K 4.7K 1.0K 47K]]]	1/10W 1/10W 1/10W 1/10W 1/10W		
R50			RK73FB2A750J	CHIP R	75	J	1/10W		
		1		1				1	1

L: Scandinavia K:USA P: Canada R: Mexico C: China I: Malaysia T: Europe E: Europe Y: PX(Far East, Hawaii) G: Germany V: China (Shanghai) Y: AAFES(Europe) X : Australia Q: Russia H: Korea M: Other Areas

▲ indicates safety critical components.

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* New Parts

Parts without Parts No. are not supplied.

				ines dans le Parts N erden nicht geliefert.		nis.				9
	Ref. No	Add- ress	New Parts	Parts No.		Description			Desti- nation	Re- marks
◮	R51 R52 ,53 R54 R55 ,56 R57 ,58			RK73FB2A332J RK73FB2A750J RK73FB2A332J RK73FB2A750J RS14KB3A391J	CHIP R CHIP R CHIP R CHIP R FL-PROOF RS	3.3K 75 3.3K 75 390	J J J J	1/10W 1/10W 1/10W 1/10W 1/10W		
	R59 R61 -63			RD14NB2E1R0J RD14NB2E2R2J	RD RD	1 2.2	J	1/4W 1/4W		

△ R64 RD14NB2E1R0J 1/4W R66 RD14NB2E2R2J RD 2.2 1/4W RD14NB2E1R0J RD 1/4W R67 1 RD14NB2E2R2J R68 2.2 1/4W CHIP R R69 RK73FB2A203J 20K 1/10W R70 RK73FB2A101J CHIP R 100 1/10W R71 RK73FB2A473J CHIP R 47K 1/10W R72 RK73FB2A472J CHIP R 4.7K 1/10W R101-104 RK73FB2A203J CHIP R 1/10W 20K R105,106 RK73FB2A101J CHIP R 100 1/10W R107,108 RK73FB2A102J CHIP R 1.0K 1/10W R111.112 RK73FB2A104J CHIP R 100K 1/10W R113,114 CHIP R 1/10W RK73FB2A512J 5.1K RK73FB2A101J R115,116 CHIP R 100 1/10W R117-120 RK73FB2A162J CHIP R 1.6K 1/10W R121,122 RK73FB2A101J CHIP R 100 1/10W R131,132 CHIP R RK73FB2A104J 100K 1/10W CHIP R R133,134 RK73FB2A512J 5.1K 1/10W R135,136 RK73FB2A432J CHIP R 4.3K 1/10W R137,138 RK73FB2A392J CHIP R 3.9K 1/10W 1.6K R139-142 RK73FB2A162J CHIP R 1/10W CHIP R R143,144 RK73FB2A101J 100 1/10W R151,152 RK73FB2A104J CHIP R 100K 1/10W R153.154 RK73FB2A512J CHIP R 5.1K 1/10W R155,156 RK73FB2A432J CHIP R 4.3K 1/10W CHIP R RK73FB2A392J 3.9K R157,158 1/10W R159-162 RK73FB2A162J CHIP R 1.6K 1/10W R163,164 RK73FB2A101J CHIP R 100 1/10W RK73FB2A153J CHIP R R173.174 15K 1/10W RK73FB2A303J CHIP R 30K R175,176 1/10W R177,178 RK73FB2A101J CHIP R 100 1/10W R181,182 RK73FB2A104J CHIP R 100K 1/10W R183,184 RK73FB2A101J CHIP R 100 1/10W R185-188 RK73FB2A392J CHIP R 3.9K 1/10W RK73FB2A222J R189-192 CHIP R 2.2K 1/10W RK73FB2A101J CHIP R R193,194 100 1/10W R195,196 RK73FB2A224J CHIP R 220K 1/10W R201,202 RK73FB2A153J CHIP R 15K 1/10W R203,204 RK73FB2A303J CHIP R 30K 1/10W CHIP R R205 RK73FB2A153J 15K 1/10W R206 RK73FB2A303J CHIP R 30K 1/10W R207 RK73FB2A123J CHIP R 12K 1/10W R208-210 RK73FB2A163J CHIP R 16K 1/10W RK73FB2A101J CHIP R R211-214 100 1/10W CHIP R R215,216 220K RK73FB2A224J 1/10W R217-220 RK73FB2A101J CHIP R 100 1/10W R221.222 RK73FB2A203J CHIP R 20K 1/10W CHIP R R223-225 RK73FB2A393J 39K 1/10W

K: USA P: Canada R: Mexico C: China I: Malaysia L: Scandinavia Y: PX(Far East, Hawaii) E: Europe G: Germany V: China (Shanghai) T: Europe Y: AAFES(Europe) Q: Russia M: Other Areas

H: Korea

X : Australia

 ${\bf \Lambda}$ indicates safety critical components.

* New Parts

Y: PX(Far East, Hawaii)

Y: AAFES(Europe)

T: Europe

X : Australia

E: Europe

Q: Russia

G: Germany

H: Korea

Parts without **Parts No.** are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis

Teile ohne **Parts No.** werden nicht geliefert.

	Ref. No	Add- ress	New Parts	Parts No.		Description		Desti- nation	Re- marks
	R226		1 411 65	RK73FB2A123J	CHIP R	12K	J 1/10W		
	S1			S62-0034-05	SLIDE SWITCH	4			
⚠	D1 ,2 D1 ,2 D3 ,4 D5 D7 -9			DA204U 1SS302 UDZ5.1B D2SBA20F03 UDZ6.2B	DIODE DIODE ZENER DIODE DIODE ZENER DIODE				
	IC1 IC2 IC2 IC3 IC4			YSS248 CS4226-KQ CS4226KQC TC74HCU04AF NJM2279M	MOS-IC MOS-IC MOS-IC IC(HEX INVER ANALOGUE IC				
Δ	IC5 IC6 IC8 -10 IC11 IC12			TC9162AF TC9164AF TA7805SB NJM4565M NJM4580ED	MOS-IC MOS-IC ANALOGUE IC IC(OP AMP X2 ANALOGUE IC	()			
	IC13 IC14 IC15 IC16 IC17-19			NJM4565M NJM4580ED NJM4565M NJM4580ED NJM4565M	IC(OP AMP X2 ANALOGUE IC IC(OP AMP X2 ANALOGUE IC IC(OP AMP X2	<u>(</u>			
	IC20 IC21 IC22,23 IC24 Q1			NJM4580ED NJM4565M NJM4580ED TC7W241FU 2SC4081(R,S)	ANALOGUE IC IC(OP AMP X2 ANALOGUE IC MOS-IC TRANSISTOR	2)			
	Q1 Q2 Q2			2SC4116(Y,GR) 2SA1576A(R,S) 2SA1586(Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR				
	A1			W02-1181-05	OPTIC RECEIV	/ING MODULE			
				AUD	IO (X09-48	390-10)			
	D501,502 D527			B30-2513-05 B30-2513-05	LED(RED) LED(RED)				
	C1 ,2 C1 ,2 C3 C5 ,6 C5 ,6			CK45FF1H103Z CK45FF1H103Z C91-1480-05 C90-3760-05 C90-3760-05	CERAMIC CERAMIC MP ELECTRO ELECTRO	0.010UF 0.010UF 0.22UF 4700UF 4700UF	Z Z 250WV 75WV 75WV	KP1K1 P2V Y1M1Y2 KP1Y1 M1	
	C5 ,6 C5 ,6 C7 ,8 C7 ,8 C7 ,8			C90-3761-05 C90-3762-05 C90-3763-05 C90-3776-05 C90-3776-05	ALMINIUM ELE ALMINIUM ELE ALMINIUM ELE	ECTROLYTIC C. ECTROLYTIC C. ECTROLYTIC C. ECTROLYTIC C. ECTROLYTIC C.		K1P2Y2 V V KP1Y1 M1	
	C9 C10 C11 -14 C15 ,16 C18			CE04LW1V222M CE04LW1V471M CK73FF1C224Z CE04LW1E101M CE04LW1J220M	ELECTRO ELECTRO CHIP C ELECTRO ELECTRO	2200UF 470UF 0.22UF 100UF 22UF	35WV 35WV Z 25WV 63WV		
	C19 C21 ,22 C21 ,22			CE04LW1V470M CE04LW1H470M CE04LW1H470M	ELECTRO ELECTRO ELECTRO	47UF 47UF 47UF	35WV 50WV 50WV	KP1Y1 M1V	
	L : Scandinavia		K:	USA P: Canada	R: Mexico C	: China	I: Malaysia		

V: China (Shanghai) M: Other Areas

▲ indicates safety critical components.

Ref. No

C23 -26

C23 -26 C23 -26 C27 ,28

C29,30

C29,30

C31 ,32 C31 ,32 C31 ,32

C33 ,34

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis. Parts No.

CE04LW1H470M

CE04LW2A100M

CE04LW2A100M

CC73FSL1H151J

CE04LW1H470M

CE04LW1H470M

CE04LW1H470M

CE04LW2A100M

CE04LW2A100M

CK45FB1H392K

P: Canada

E: Europe

Q: Russia

K: USA

T: Europe

X : Australia

Teile ohne Parts No. werden nicht geliefert. Add- New ress Parts

* New Parts

0

Re-marks

Desti-nation

K1P2Y2

KP1Y1

KP1Y1

K1P2Y2

KP1Y1 M1V

K1P2Y2

M1V

M1V

Description

47UF

10UF

10UF

47UF

47UF

47UF

10UF

10UF

3900PF

C: China

V: China (Shanghai)

M: Other Areas

150PF

50WV

100WV

100WV

50WV

50WV

50WV

100WV

100WV

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Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

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Ref. No	Add- ress	New Parts	Parts No.		Description		Desti- nation	Re- mark
C219 C220 C221 C223,224 C226-228			CQ93FMG1H822J CQ93FMG1H153J CE04LW1HR33M CE04LW1C100M CE04LW1V4R7M	MYLAR MYLAR ELECTRO ELECTRO ELECTRO	8200PF 0.015UF 0.33UF 10UF 4.7UF	J J 50WV 16WV 35WV		
C229,230 C233,234 C237 C238 C239,240			CC73FSL1H471J CC73FSL1H101J CC45FSL1H101J CK45FF1H103Z CE04LW1V4R7M	CHIP C CHIP C CERAMIC CERAMIC ELECTRO	470PF 100PF 100PF 0.010UF 4.7UF	J J Z 35WV		
C241,242 C245,246 C251,252 C253,254 C257,258			CC73FSL1H471J CC73FSL1H101J CE04LW1V4R7M CC73FSL1H471J CC73FSL1H101J	CHIP C CHIP C ELECTRO CHIP C CHIP C	470PF 100PF 4.7UF 470PF 100PF	J J 35WV J J		
C263,264 C265,266 C267,268 C271,272 C273,274			CC73FSL1H821J CE04LW1H2R2M CE04LW1A101M CE04LW1H2R2M CE04LW1A101M	CHIP C ELECTRO ELECTRO ELECTRO ELECTRO	820PF 2.2UF 100UF 2.2UF 100UF	J 50WV 10WV 50WV 10WV		
C277 C279 C281,282 C283-285 C287,288			CE04LW1H2R2M CE04LW1A101M CC45FCH1H100D CC45FCH1H150J CK73FB1H102K	ELECTRO ELECTRO CERAMIC CERAMIC CHIP C	2.2UF 100UF 10PF 15PF 1000PF	50WV 10WV D J K		
C289,290 C293,294 C295,296 C299 C301			CQ93FMG1H104J CK73FB1H102K CQ93FMG1H104J CK73FB1H102K CQ93FMG1H104J	MYLAR CHIP C MYLAR CHIP C MYLAR	0.10UF 1000PF 0.10UF 1000PF 0.10UF	J K K J		
C305-308 C309-311 C313-316 C319,320 C321-325			CC45FSL1H101J CK45FF1H472Z CK45FF1H472Z CE04LW1H3R3M CE04LW1H010M	CERAMIC CERAMIC CERAMIC ELECTRO ELECTRO	100PF 4700PF 4700PF 3.3UF 1.0UF	J Z Z 50WV 50WV		
C326-328 C329-334 C501 C502 C503			CE04LW1H100M CE04LW1C470M CK45FF1H103Z CQ93FMG1H104J CK45FF1H103Z	ELECTRO ELECTRO CERAMIC MYLAR CERAMIC	10UF 47UF 0.010UF 0.10UF 0.010UF	50WV 16WV Z J Z		
C504 C505 C506 C507 C508,509			CK73FB1H103K CK45FF1H103Z CK45FB1H102K CK45FF1H103Z CE04LW1A101M	CHIP C CERAMIC CERAMIC CERAMIC ELECTRO	0.010UF 0.010UF 1000PF 0.010UF 100UF	K Z K Z 10WV		
0511-513 0514 0517 0518-521 0525			CK45FF1H103Z CK73FB1H103K CE04LW1H010M CK45FF1H103Z CE04LW1H010M	CERAMIC CHIP C ELECTRO CERAMIC ELECTRO	0.010UF 0.010UF 1.0UF 0.010UF 1.0UF	Z K 50WV Z 50WV		
C526 C529,530 C531 C532 C534			C90-3214-05 CE04LW1V4R7M CK73FB1H103K CK73FB1H102K C90-1827-05	ELECTRO ELECTRO CHIP C CHIP C ELECTRO	100UF 4.7UF 0.010UF 1000PF 0.047F	6.3WV 35WV K K 5.5WV	V	

C33 ,34 C33 ,34 C35 C36 C37		CK45FB2H392K CK45FB2H392K CE04LW0J221M CE04LW1V4R7M CE04LW1H010M	CERAMIC CERAMIC ELECTRO ELECTRO ELECTRO	3900PF 3900PF 220UF 4.7UF 1.0UF	K K 6.3WV 35WV 50WV	KP1Y1 M1V	
C38 C39 ,40 C39 ,40 C39 ,40 C41		CE04HW1E100M CK45FB1H392K CK45FB2H392K CK45FB2H392K CE04LW1A101M	NP-ELEC CERAMIC CERAMIC CERAMIC ELECTRO	10UF 3900PF 3900PF 3900PF 100UF	25WV K K K 10WV	K1P2Y2 KP1Y1 M1V	
C42 C101,102 C103,104 C105,106 C107,108		CE04LW1C330M CC73FSL1H390J CE04LW1H100M CC73FSL1H820J CE04LW1A470M	ELECTRO CHIP C ELECTRO CHIP C ELECTRO	33UF 39PF 10UF 82PF 47UF	16WV J 50WV J 10WV		
C109,110 C111,112 C113,114 C115,116 C117		CC45FSL1H101J CQ93FMG1H123J CK45FB1H332K CE04LW1V4R7M CC45FSL1H101J	CERAMIC MYLAR CERAMIC ELECTRO CERAMIC	100PF 0.012UF 3300PF 4.7UF 100PF	J J K 35WV J		
C118 C119,120 C123,124 C127,128 C131,132		CK45FF1H103Z CC73FSL1H221J CC73FSL1H221J CC73FSL1H221J CC73FSL1H221J	CERAMIC CHIP C CHIP C CHIP C CHIP C	0.010UF 220PF 220PF 220PF 220PF	Z J J J		
C135,136 C139,140 C143,144 C147,148 C151,152		CC73FSL1H221J CC73FSL1H221J CC73FSL1H221J CC73FSL1H221J CC73FSL1H221J	CHIP C CHIP C CHIP C CHIP C CHIP C	220PF 220PF 220PF 220PF 220PF	J J J		
C155,156 C157-162 C163,164 C165 C166-168		CE04LW1H2R2M CC73FSL1H101J CE04LW1C220M CC45FSL1H101J CK45FF1H103Z	ELECTRO CHIP C ELECTRO CERAMIC CERAMIC	2.2UF 100PF 22UF 100PF 0.010UF	50WV J 16WV J Z		
C169,170 C171,172 C200 C201 C202		CC73FSL1H221J CK45FF1H103Z CE04LW1H010M CE04LW1HR33M CQ93FMG1H153J	CHIP C CERAMIC ELECTRO ELECTRO MYLAR	220PF 0.010UF 1.0UF 0.33UF 0.015UF	J Z 50WV 50WV J		
C203,204 C205,206 C207-210 C211 C212		CE04LW1V4R7M CK73FB1H222K CC73FSL1H101J CQ93FMG1H822J CC73FSL1H221J	ELECTRO CHIP C CHIP C MYLAR CHIP C	4.7UF 2200PF 100PF 8200PF 220PF	35WV K J J		

R: Mexico

H: Korea

G: Germany

ELECTRO

ELECTRO

ELECTRO

ELECTRO

ELECTRO

ELECTRO

ELECTRO

ELECTRO

CERAMIC

CHIP C

I: Malaysia

▲ indicates safety critical components.

L: Scandinavia

Y: AAFES(Europe)

Y: PX(Far East, Hawaii)

K: USA P: Canada T: Europe

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R: Mexico G: Germany

C: China V: China (Shanghai) M: Other Areas

indicates safety critical components.

I: Malaysia

KRF-\7510D/\8010D/\R-208/209

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Y: AAFES(Europe)

Y: PX(Far East, Hawaii)

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Ref. N	Vo	Add- ress	New Parts	Parts No.		Description			Desti- nation	Re- marks
C534 C535 C535				C90-1827-05 CE04LW0J471M CE04LW0J471M	ELECTRO ELECTRO ELECTRO	0.047F 470UF 470UF	5.5 6.3 6.3		Y1M1Y2 KP1K1 P2	
CN1 CN8 CN9 CN11 CN12			*	E40-4299-05 E40-8251-05 E40-9848-05 E40-8254-05 E40-8196-05	PIN ASSY FLAT CABLE C PIN ASSY FLAT CABLE C PIN ASSY					
CN13 CN51 CN52 CN53 J1				E40-4248-05 E40-8258-05 E40-8253-05 E40-8250-05 E63-0172-05	PIN ASSY FLAT CABLE C FLAT CABLE C FLAT CABLE C PHONO JACK	ONNECTOR				
J2 ,3 J4 J5 J6 J7				E63-0173-05 E63-1015-05 E70-0089-05 E70-0068-05 E63-0172-05	PHONO JACK PHONO JACK SCREW TERM LOCK TERMIN PHONO JACK					
L1 -5 X501				L39-1373-05 L78-0290-05	PHASE COMPERESONATOR	ENSATION CO (8MHZ)	IL			
R1 ,2 R1 ,2 R1 ,2 R3 ,4 R3 ,4				RK73FB2A273J RK73FB2A513J RK73FB2A513J RK73FB2A273J RK73FB2A273J	CHIP R CHIP R CHIP R CHIP R CHIP R	27K 51K 51K 27K 27K	J J J	1/10W 1/10W 1/10W 1/10W 1/10W	K1P2Y2 KP1Y1 M1V KP1Y1 M1V	
R5 R6 R9 ,10 R11 ,12) 2			RK73FB2A222J RK73FB2A333J RS14KB3D391J RK73FB2A472J RD14NB2E1R0J	CHIP R CHIP R FL-PROOF RS CHIP R RD	2.2K 33K 390 4.7K 1	J J J	1/10W 1/10W 2W 1/10W 1/4W		
R15 R16 R16 R17 R18				RK73FB2A513J RK73FB2A273J RK73FB2A273J RK73FB2A273J RD14NB2E4R7J	CHIP R CHIP R CHIP R CHIP R RD	51K 27K 27K 27K 4.7	J J J	1/10W 1/10W 1/10W 1/10W 1/4W	V KP1Y1 M1V	
R19 R21 R21 R22 R22				RK73FB2A472J RS14KB3A392J RS14KB3A392J RS14KB3A392J RS14KB3A392J	CHIP R FL-PROOF RS FL-PROOF RS FL-PROOF RS	4.7K 3.9K 3.9K 3.9K 3.9K	J J J	1/10W 1W 1W 1W 1W	KP1Y1 M1V KP1Y1 M1V	
R23 ,24 R25 ,26 R25 ,26 R27 ,26 R27 ,26	6 6 8			RD14NB2E103J RS14KB3A392J RS14KB3A392J RK73FB2A182J RK73FB2A272J	RD FL-PROOF RS FL-PROOF RS CHIP R CHIP R	10K 3.9K 3.9K 1.8K 2.7K	J J J	1/4W 1W 1W 1/10W 1/10W	KP1Y1 M1V V KP1Y1	
R27 ,26 R27 ,26 R30 R32 R34				RK73FB2A272J RK73FB2A821J RK73FB2A223J RK73FB2A153J RK73FB2A473J	CHIP R CHIP R CHIP R CHIP R CHIP R	2.7K 820 22K 15K 47K	J J J	1/10W 1/10W 1/10W 1/10W 1/10W	M1 K1P2Y2	
R35 R35 R35 R35				RK73FB2A182J RK73FB2A272J RK73FB2A272J RK73FB2A821J	CHIP R CHIP R CHIP R CHIP R	1.8K 2.7K 2.7K 820	J J J	1/10W 1/10W 1/10W 1/10W	V KP1Y1 M1 K1P2Y2	
R35				RK73FB2A272J	CHIP R	2.7K	Ĵ	1/10W	M1	2

L: Scandinavia	K:USA	P: Canada	R: Mexico	C : China	I: Malaysia
Y: PX(Far East, Hawaii)	T: Europe	E: Europe	G: Germany	V: China (Shanghai)	

Y: AAFES(Europe) X: Australia Q: Russia H: Korea M: Other Areas ${\bf \Lambda}$ indicates safety critical components.

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	Ref. No	Add- ress	New Parts	Parts No.		Description			Desti- nation	Re- marks
Δ Δ Δ	R37 R38 -41 R42 -44 R45 R46	1622	raits	RS14KB3A681J RS14KB3D331J RS14KB3D391J RD14NB2E1R0J RD14NB2E821J	FL-PROOF RS FL-PROOF RS FL-PROOF RS RD RD	680 330 390 1 820	J J J	1W 2W 2W 1/4W 1/4W	KP1	marks
	R50 R51 R101,102 R103,104 R105,106			RK73FB2A472J RK73FB2A473J RK73FB2A102J RK73FB2A273J RK73FB2A101J	CHIP R CHIP R CHIP R CHIP R CHIP R	4.7K 47K 1.0K 27K 100	J J J	1/10W 1/10W 1/10W 1/10W 1/10W		
	R117,118 R119,120 R121,122 R123,124 R125,126			RK73FB2A102J RK73FB2A224J RK73FB2A102J RK73FB2A224J RK73FB2A102J	CHIP R CHIP R CHIP R CHIP R CHIP R	1.0K 220K 1.0K 220K 1.0K	J	1/10W 1/10W 1/10W 1/10W 1/10W		
	R127,128 R129,130 R131,132 R135,136 R137,138			RK73FB2A224J RK73FB2A102J RK73FB2A224J RK73FB2A102J RK73FB2A224J	CHIP R CHIP R CHIP R CHIP R CHIP R	220K 1.0K 220K 1.0K 220K	J J	1/10W 1/10W 1/10W 1/10W 1/10W		
	R139,140 R141,142 R143,144 R145,146 R147,148			RK73FB2A102J RK73FB2A224J RK73FB2A102J RK73FB2A224J RK73FB2A102J	CHIP R CHIP R CHIP R CHIP R CHIP R	1.0K 220K 1.0K 220K 1.0K	J	1/10W 1/10W 1/10W 1/10W 1/10W		
	R149,150 R151,152 R153-156 R157,158 R165-168			RK73FB2A224J RK73FB2A102J RK73FB2A224J RK73FB2A4R7J RK73FB2A103J	CHIP R CHIP R CHIP R CHIP R CHIP R	220K 1.0K 220K 4.7 10K	J J J	1/10W 1/10W 1/10W 1/10W 1/10W		
	R169-172 R173,174 R175,176 R177,178 R203,204			RK73FB2A223J RK73FB2A473J RK73FB2A622J RK73FB2A103J RK73FB2A102J	CHIP R CHIP R CHIP R CHIP R CHIP R	22K 47K 6.2K 10K 1.0K	J J J	1/10W 1/10W 1/10W 1/10W 1/10W		
Δ Δ	R205,206 R219 R220 R226 R227,228			RK73FB2A100J RS14KB3A221J RS14KB3A271J RK73FB2A103J RK73FB2A104J	CHIP R FL-PROOF RS FL-PROOF RS CHIP R CHIP R	10 220 270 10K 100K	J J J	1/10W 1W 1W 1/10W 1/10W		
	R229,230 R229,230 R229,230 R229,230 R231,232			RK73FB2A133J RK73FB2A133J RK73FB2A912J RK73FB2A912J RK73FB2A183J	CHIP R CHIP R CHIP R CHIP R CHIP R	13K 13K 9.1K 9.1K 18K	J J J	1/10W 1/10W 1/10W 1/10W 1/10W	K1P2Y2 V KP1Y1 M1	
	R237,238 R239,240 R241,242 R241,242 R241,242			RK73FB2A103J RK73FB2A104J RK73FB2A363J RK73FB2A363J RK73FB2A513J	CHIP R CHIP R CHIP R CHIP R CHIP R	10K 100K 36K 36K 51K	J	1/10W 1/10W 1/10W 1/10W 1/10W	KP1Y1 M1 K1P2Y2	
	R241,242 R243,244 R249,250 R251,252 R253			RK73FB2A513J RK73FB2A183J RK73FB2A103J RK73FB2A104J RK73FB2A363J	CHIP R CHIP R CHIP R CHIP R CHIP R	51K 18K 10K 100K 36K	J	1/10W 1/10W 1/10W 1/10W 1/10W	V KP1Y1	

L: Scandinavia K:USA P: Canada R: Mexico C: China Y: PX(Far East, Hawaii) V: China (Shanghai) T: Europe E: Europe G: Germany Y: AAFES(Europe) M: Other Areas X : Australia Q: Russia H: Korea

I: Malaysia

R253

R253

R253

R254

R267 R269,270

R271

R272

R291

R305

R309

R310

R311,312

R313,314

R315,316

R315,316

R315,316

R317,318

R319.320

R323,324 R325,326

R327,328

R329,330

R329,330

R329,330

R331.332

R333.334

R337,338 R339

R351,352

R356.357

R341

R353 R354

R355

R361

R363

R363 R363

R365

R367,368 R367,368

R367,368

R367,368 R369-371

R369-371

R369-371

R369-371

R373-377

L: Scandinavia

Y: AAFES(Europe)

Y: PX(Far East, Hawaii)

R372

R255.256

R263,264

R275,276

R277,278 R284

Parts without Parts No. are not supplied.

Add- New ress Parts

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

E: Europe

Q: Russia

H: Korea

G: Germany

V: China (Shanghai)

▲ indicates safety critical components.

M: Other Areas

K: USA

T: Europe

X : Australia

Teile ohne Parts No. werden nicht geliefert.



Ø

* New Parts Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis

G: Germany

H: Korea

E: Europe

Q: Russia

V: China (Shanghai)

M: Other Areas

Teile ohne Parts No. werden nicht geliefert.



Re-marks

Desti-nation

K1P2Y2

KP1Y1

KP1Y1

KP1Y1

KP1Y1

KP1Y1

KP1Y1

KP1Y1

M1V

M1V

▲ indicates safety critical components.

M1

M1V

KRF-V7510D/V8010D/VR-208/209 PARTS LIST

Y2

M1

M1K1P2

RK73FB2A513J	J 1/10W J 1/10W	M1								
	J 1/10W J 1/10W J 1/10W	K1P2Y2 V		R521 R522 R534 R536 R539		RK73FB2A103J RD14NB2E1R0J RK73FB2A101J RK73FB2A101J RK73FB2A101J	CHIP R RD CHIP R CHIP R CHIP R	10K 1 100 100 100	J J J	1/10W 1/4W 1/10W 1/10W 1/10W
RK73FB2A102J CHIP R 1.0K RK73FB2A102J CHIP R 1.0K RK73FB2A473J CHIP R 47K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W			R542 R549 R555,556 R562 R578		RK73EB2B101J RK73FB2A102J RK73FB2A103J RK73FB2A102J RK73FB2A103J	CHIP R CHIP R CHIP R CHIP R CHIP R	100 1.0K 10K 1.0K 1.0K	J	1/8W 1/10W 1/10W 1/10W 1/10W
RK73FB2A563J CHIP R 56K RK73FB2A104J CHIP R 100K RK73FB2A104J CHIP R 100K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W			R587 R592 R598 R599 R603		RK73FB2A103J RK73FB2A102J RK73FB2A361J RK73FB2A472J RK73FB2A472J	CHIP R CHIP R CHIP R CHIP R CHIP R	10K 1.0K 360 4.7K 4.7K	J	1/10W 1/10W 1/10W 1/10W 1/10W
RK73FB2A333J	J 1/10W J 1/10W 2W J 1/10W J 1/10W	KP1Y1		W501-503 W504 W504 W504 W505		R92-0670-05 R92-0679-05 R92-0679-05 R92-0679-05 R92-0670-05	CHIP R CHIP R CHIP R CHIP R CHIP R	0 OHM 0 OHM 0 OHM 0 OHM 0 OHM		
RK73FB2A393J CHIP R 39K RK73FB2A471J CHIP R 470 RK73FB2A333J CHIP R 33K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/4W	M1V K1P2Y2		W505 K1 -4 S501-507 S509-512 S514-516		R92-0670-05 S76-0076-05 S70-0031-05 S70-0031-05 S70-0031-05	CHIP R MAGNETIC RELATACT SWITCH TACT SWITCH TACT SWITCH	0 OHM		
RK73FB2A243J	2W J 1/10W J 1/10W J 1/10W J 1/10W	KP1Y1 M1V K1P2Y2	*	\$520,521 \$517 \$518,519		T99-0602-05 T99-0605-05	TACT SWITCH ROTARY ENCOD			
RK73FB2A333J CHIP R 33K RD14NB2E4R7J RD 4.7 R92-1866-05 METAL 0.1HM	J 1/10W J 1/10W J 1/4W 2W J 1/4W		Δ. Δ. Δ. Δ.	D1 D1 D2 D3 -6 D3 -6		D4SBL20UF03 D4SBL20UF03 D4SBL20UF03 S5688B 1SR139-400	DIODE DIODE DIODE DIODE DIODE			
RK73FB2A103J	J 1/4W J 1/10W J 1/10W J 1/10W J 1/10W			D8 ,9 D8 ,9 D11 D11		MTZJ16(B) RD16ES(B2) MTZJ7.5(B) MTZJ7.5(B) RD7.5JS(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE			
RK73FB2A333J CHIP R 33K RK73FB2A243J CHIP R 24K RK73FB2A243J CHIP R 24K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	KP1Y1 M1V K1P2Y2		D11 D12 -14 D12 -14 D12 -14 D12 -14		RD7.5JS(B2) MTZJ8.2(B) MTZJ8.2(B) RD8.2JS(B2) RD8.2JS(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE			
RK73FB2A242J CHIP R 2.4K RK73FB2A242J CHIP R 2.4K RK73FB2A332J CHIP R 3.3K RK73FB2A332J CHIP R 3.3K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	KP1Y1 M1 K1P2Y2 V KP1Y1		D15 ,16 D15 ,16 D17 D17 D18		MTZJ6.8(B) RD6.8ES(B) HSS104A 1SS133 MTZJ4.7(B)	ZENER DIODE ZENER DIODE DIODE DIODE ZENER DIODE			
RK73FB2A562J CHIP R 5.6K RK73FB2A622J CHIP R 6.2K RK73FB2A622J CHIP R 6.2K RK73FB2A162J CHIP R 1.6K	J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W J 1/10W	M1 K1P2Y2 V		D18 D19 D19 D20 -23 D24 ,25		RD4.7ES(B2) MTZJ3.3(B) RD3.3ES(B2) MA111 MTZJ18(B)	ZENER DIODE ZENER DIODE ZENER DIODE DIODE ZENER DIODE			
K: USA P: Canada R: Mexico C: China	I : Malaysia			L: Scandinavia		USA P: Canada		hina		Malaysia

Y: PX(Far East, Hawaii)

Y: AAFES(Europe)

T: Europe

X : Australia

 \mathcal{B}

* New Parts

Parts without **Parts No.** are not supplied. Les articles non mentionnes dans le **Parts No.** ne sont pas fournis. Teille ohne **Parts No.** werden nicht geliefert



nation	
(P1Y1 M1V	marks
/ /1M1Y2 / /1M1Y2	
/ /1M1Y2 /	
Y1M1Y2	
K1P2Y2 KP1Y1 M1V	
(P1Y1 M1 (1P2Y2 (P1Y1 M1V	
(P1Y1 M1V	
Y1M1Y2	
K1P2Y2 KP1Y1 M1V	
< v < v < v < v < v < v < v < v < v < v	P1Y1 11V P1Y1 11V 1M1Y2

L: Scandinavia	K: USA	P: Canada	R: Mexico	C: China	I: Malaysia
Y: PX(Far East, Hawaii)	T: Europe	E: Europe	G: Germany	V: China (Shanghai)	
Y: AAFES(Europe)	X: Australia	Q: Russia	H: Korea	M: Other Areas	

A501

* New Parts
Parts without **Parts No.** are not supplied.
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Teile ohne Parts No. werden nicht geliefert.

	TOTIC OTTIC	arts rec	, vvc	racii iliciit gelierert.			
	Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
<u>^</u>	Q26 -29 Q31 Q32 Q34 ,35 Q36			DTC123JUA 2SC2631(S,T) 2SA1123(S,T) 2SC1845(F,E) 2SA1535(Q,R)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
	Q37 Q38 Q39 Q501 Q501			2SC1845(F,E) 2SC3722K(R,S) DTC113ZUA 2SC4116(Y,GR) 2SC4177(L5,L6)	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		
	Q503 Q503 Q504 Q504 Q505			2SC4116(Y,GR) 2SC4177(L5,L6 2SC4116(Y,GR) 2SC4177(L5,L6 2SC4116(Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	K1P2Y2	
	Q505			2SC4177(L5,L6)	TRANSISTOR	K1P2Y2	

OPTIC RECEIVING MODULE

L: Scandinavia K:USA P: Canada C: China R: Mexico I: Malaysia

Y: PX(Far East, Hawaii) T: Europe G: Germany V: China (Shanghai) E: Europe

W02-2625-05

Y: AAFES(Europe) X: Australia Q: Russia H: Korea M: Other Areas

▲ indicates safety critical components.

HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	ABB.	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
VR-208	-	-	P2	_	_	-	_	_	_
VR-209	-	-	P1	_	_	-	_	_	-
KRF-V7510D	-	-	-	-	-	-	-	-	-
KRF-V8010D	-	-	-	-	-	-	-	-	-
MODEL	ABB.	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	U.S.A.	Other area	
VR-208	-	-	-	-	-	-	K1	-	
VR-209	-	-	-	-	-	-	K	-	
KRF-V7510D	-	-	Y2	-	-	-	-	-	-
KRF-V8010D	_	Y1	-	-	-	V	-	M1	-

SPECIFICATIONS

Except U.S.A. and Canada

AUDIO section
Effective power output during STEREO operation
KRF-V8010D
1kHz,10% T.H.D.,at 8 Ω
KRF-V7510D
1kHz,10% T.H.D.,at 8 Ω70 W + 70 W
Rated power output during STEREO operation
KRF-V8010D
DIN (63 Hz ~ 12.5 kHz, 0.7%, 8 Ω) 110 W + 110 W
100 watts per channel minimum RMS, both channels driven, at
8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic
distortion.(FTC)
KRF-V7510D
DIN (63 Hz ~ 12.5 kHz, 0.7%, 8 Ω) 50 W + 50 W
50 watts per channel minimum RMS, both channels driven, at
8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic
distortion.(FTC)
. ,
Effective power output during SURROUND operation
KRF-V8010D
FRONT (1kHz, 10% T.H.D. at 8 Ω) 100 W + 100 W

Effective power output during SURROUND operation KRF-V8010D
FRONT (1kHz, 10% T.H.D. at 8 Ω) 100 W + 100 W
CENTER (1kHz, 10% T.H.D. at 8 Ω)
SURROUND (1kHz, 10% T.H.D. at 8 Ω)
ONNO OND (18112, 1070 1111151 at 0 32) 11111111111 100 W + 100 W
KRF-V7510D
FRONT (1kHz, 10% T.H.D. at 8 Ω) 50 W + 50 W
CENTER (1kHz, 10% T.H.D. at 8 Ω)
SURROUND (1kHz, 10% T.H.D. at 8 Ω) 50 W + 50 W
(····, ····, ····, ···············
Total harmonic distortion
KRF-V8010D
KRF-V7510D
Signal to noise ratio (IHF'66)
PHONO (MM)75 dB
CD91 dB
Input sensitivity / impedance
PHONO (MM)2.5 mV / 27 kΩ
CD200 mV / 47 kΩ
Output level / impedance
TAPE REC
PRE OUT (CENTER, SURROUND) 1 V / 1 kΩ
PRE OUT (SUBWOOFER) 1 V / 600 Ω
Tone control
BASS ±10 dB (at 100 Hz)
TREBLE ±10 dB (at 10 kHz)
,

DIGITAL AUDIO section	1
Sampling frequencyInput level / impedance / way	32 kHz, 44.1 kHz, 48 kHz
	15 dBm ~ -21 dBm, 600 nm ±30nm
Coaxial	0.5 Vp-p / 75 Ω

VIDEO section

VIDEO section
VIDEO inputs / outputs VIDEO (composite)
FM tuner section
Tuning frequency range 87.5 MHz ~ 108 MHz
Usable sensitivity (MONO)
50dB quieting sensitivity STEREO
Total harmonic distortion (1 kHz)
MONO0.6% (65 dBf input)
STEREO0.7% (65 dBf input)
Signal to noise ratio (1 kHz, 75 kHz DEV.)
MONO
Stereo separation (1 kHz)
Selectivity (±400 kHz)50 dB
Frequency response
AM tuner section Tuning frequency range
9 kHz step531 kHz ~ 1,602 kHz
10 kHz step 530 kHz ~ 1,610 kHz
Usable sensitivity (30% mod., S/N 20 dB)
Signal to noise ratio (30% mod. 1 mV input)50 dB
GENERAL
Power consumption
Power consumption KRF-V8010D280 W
Power consumption KRF-V8010D

KRF-V7510D 7.7 kg



SPECIFICATIONS

For U.S.A. and Canada

AUDIO section

Rated power output during STEREO operation

VR-209

100 watts per channel minimum RMS, both channels driven, at 8Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion.(FTC)

VR-208

50 watts per channel minimum RMS, both channels driven, at 8Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion.(FTC)

Effective power output during SURROUND operation

VR-209

VIC 200					
FRONT (1kHz, 0.7% T.H.D. at 8 Ω)	100	W	+ 1	00	W
CENTER (1kHz, 0.7% T.H.D. at 8 Ω)			1	00	W
SURROUND (1kHz, 0.7% T.H.D. at 8 Ω)	100	W ·	+ 1	00	W

VR-208

FRONT (1kHz, 0.7% T.H.D. at 8 Ω)	50	W	+	50	W
CENTER (1kHz, 0.7% T.H.D. at 8 Ω)				50	W
SURROUND (1kHz, 0.7% T.H.D. at 8 Ω)	50	W	+	50	W

Total harmonic distortion

rotar marmonio arotortion	
VR-209	0.02%(1 kHz, 50W, 8 Ω)
VR-208	0.02%(1 kHz, 25W, 8 Ω)
Signal to noise ratio (IHF'66)	
PHONO (MM)	75 dB
CD	91 dB
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 27 kO

Output level / impedance

TAPE REC	200 mV / 1 kΩ
PRE OUT (CENTER, SURROUND)	1 V / 1 kΩ
PRE OUT (SUBWOOFER)	1 V / 600 Ω
Tone control	

BASS±10 dB (at 100 Hz) TREBLE ±10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency	.32 kHz,	44.1 kHz	, 48 kHz
Input level / impedance / wave length			

Optical -15 dBm ~ -21 dBm, 600 nm ±30nm Coaxial 0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs	/ outputs				
VIDEO	(composite))	1 Vp	э-р / 7	75 Ω

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz
Usable sensitivity (MONO)
1.6 μ V (75 Ω)/ 15.2 dBf (75 kHz DEV., SINAD 30 dB)
50dB quieting sensitivity
STEREO 31.6 μV (75 Ω)/ 41.2 dBf
Total harmonic distortion (1 kHz)
MONO
STEREO
Signal to noise ratio (1 kHz, 75 kHz DEV.)
MONO 75 dB (65 dBf input)
STEREO 68 dB (65 dBf input)
Stereo separation (1 kHz)
Selectivity (±400 kHz)70 dB
Frequency response

AM tuner section

Tuning frequency range	
10 kHz step	530 kHz ~ 1,700 kHz
Usable sensitivity (30% mod., S/N 20 dB)	
	16 μV / (600 μV/m)
Signal to noise ratio (30% mod. 1 mV input	t)50 dB

GENERAL

Power consumption	2.2 A
AC outlet	
SWITCHED	2 (total 150 W, 1.25 A max.)
Dimensions	W : 440 mm (17-5/16")
	H : 144 mm (5-11/16")
	D: 400 mm (15-3/4")
Weight (Net)	, ,

eight (Net)			
VR-209 8.	.7 kg	(19.2	lb)
VR-208 7	.7 kg	(17.0	lb)



- 1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
- 2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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